AND A MANUFACTURING AND TEXTILE PAPER, DEVOTED TO THE UPBUILDING OF SOUTHERN MANUFACTURES AND THE DEVELOPMENT OF THE MATERIAL RESOURCES OF THE SOUTH.

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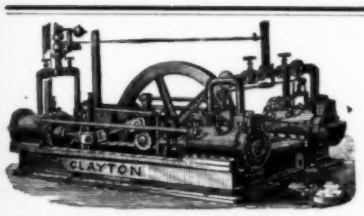

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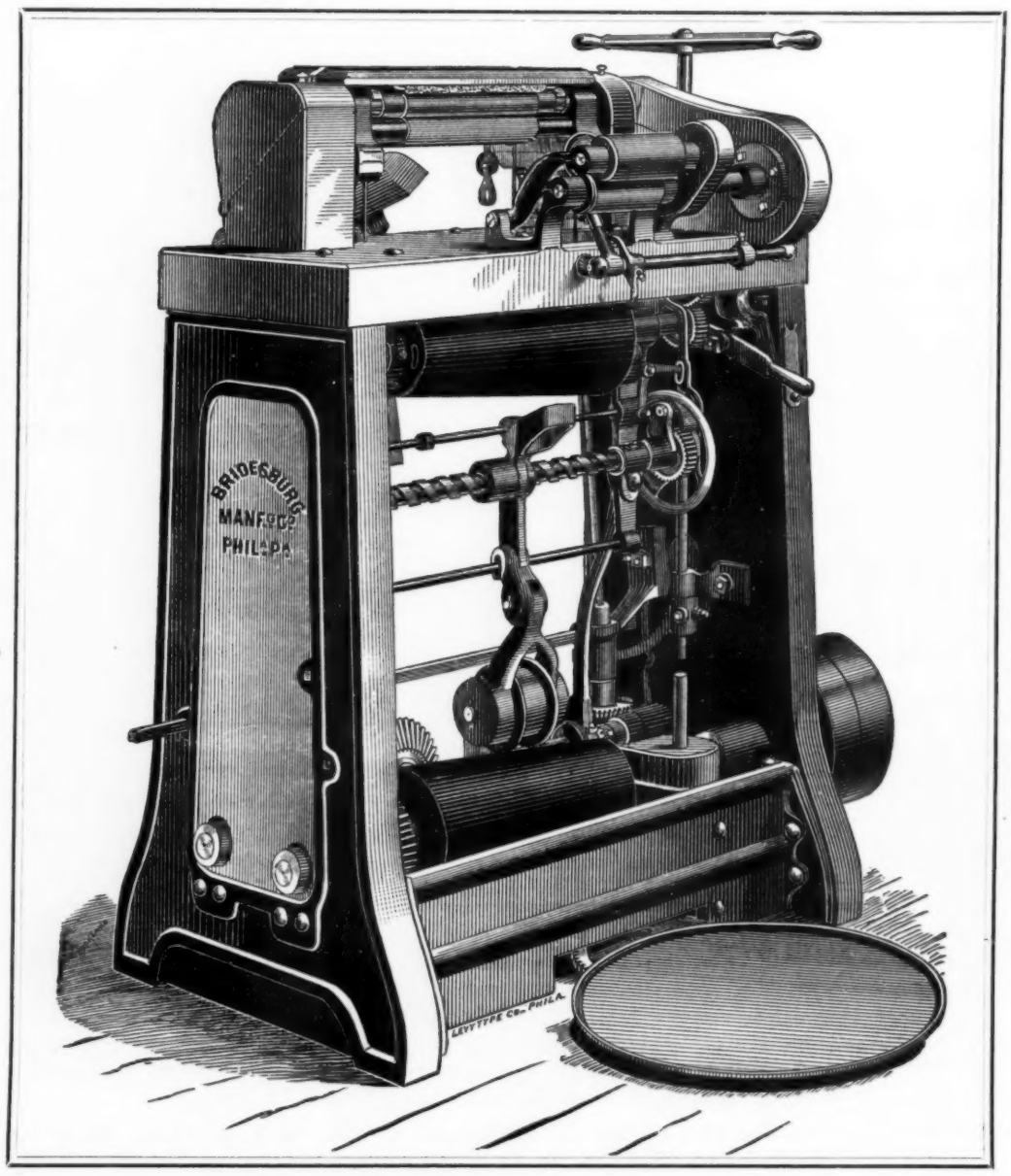

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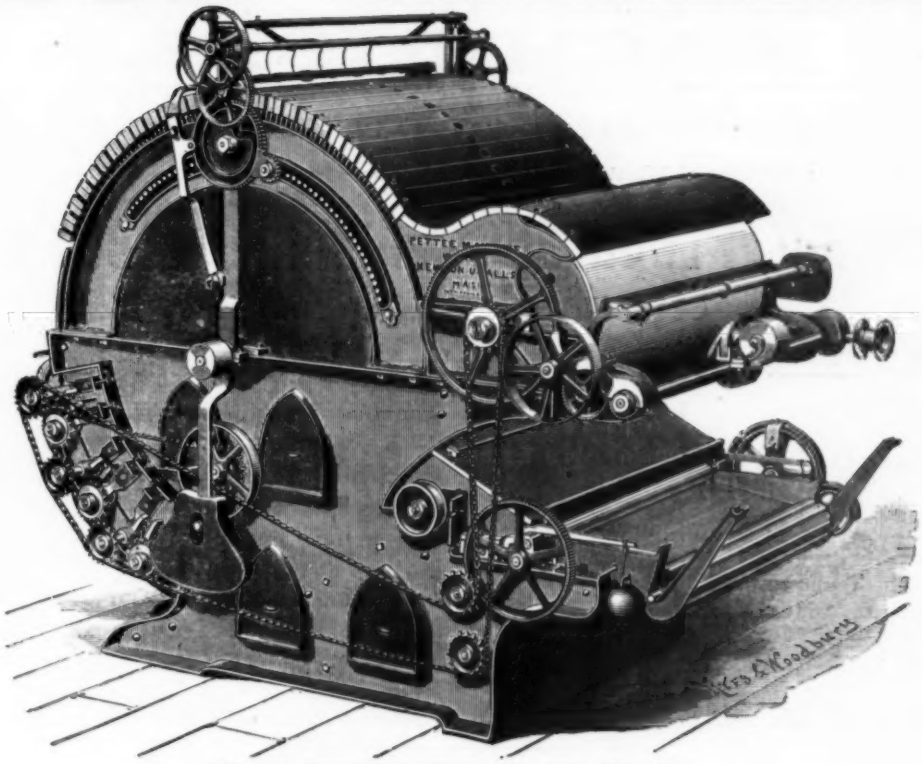

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Pulleys in two parts, any size required.
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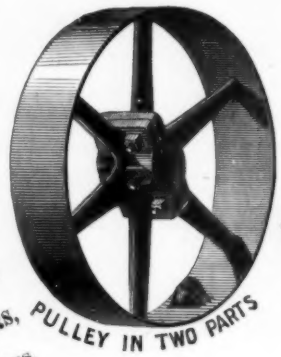
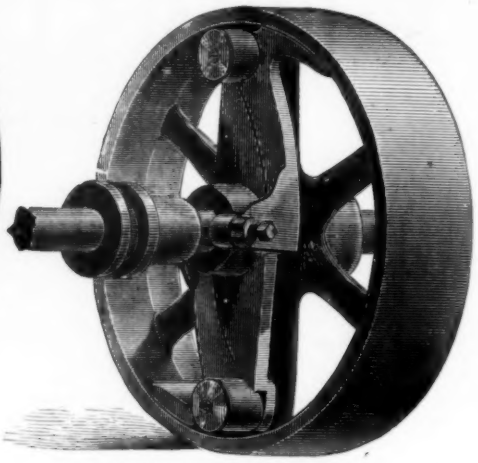


PULLEY IN TWO PARTS



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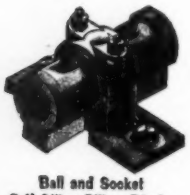
Simple, reliable and very durable. Suitable for any kind of driving, they serve equally well as driver or driven.



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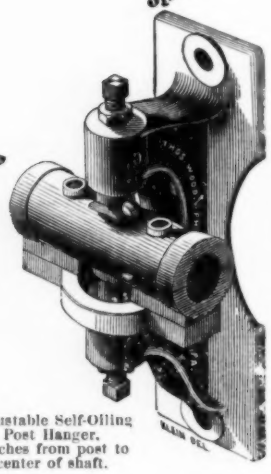

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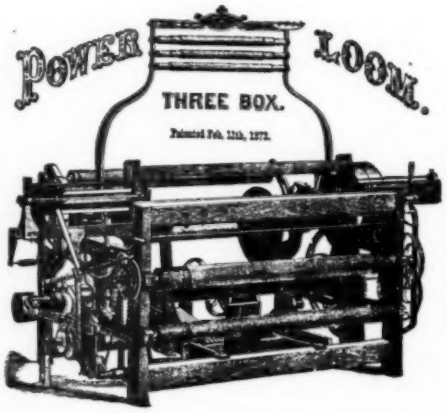

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Patent Brick-making Machinery.
Combing Machines for Wool, Worsted, &c.—Little & Eastwood's Patent.
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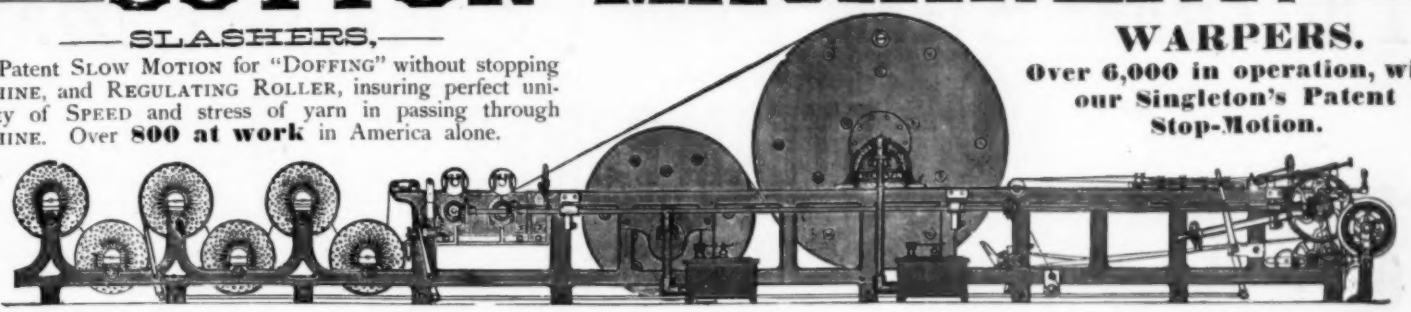

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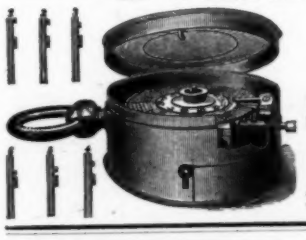

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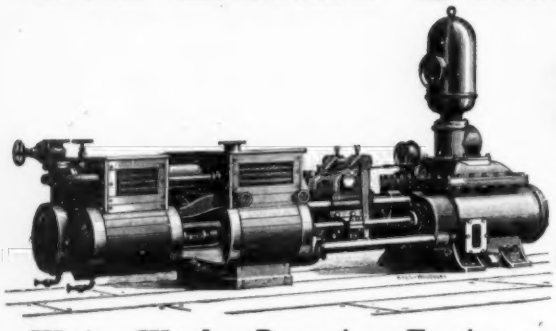

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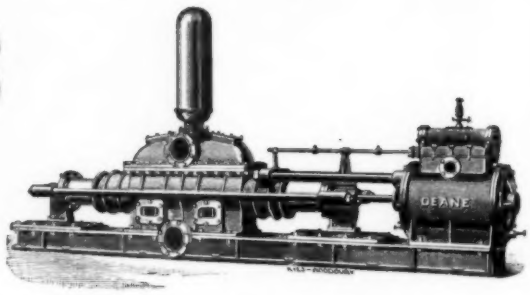

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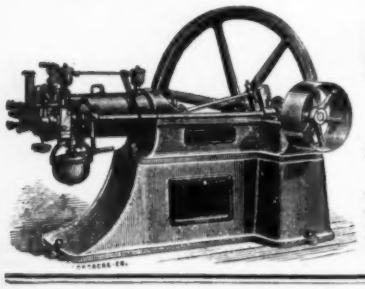

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Started instantly by a Match, it gives full power immediately. When stopped, all Expense ceases.

No explosions, no fires nor cinders, no gauges, no pumps, no engineer or other attendant while running. Recommended by insurance companies. UNSURPASSED IN EVERY RESPECT for hoisting in warehouses, printing, ventilating, running small shops, &c. Two, four and seven-horse power and upwards.

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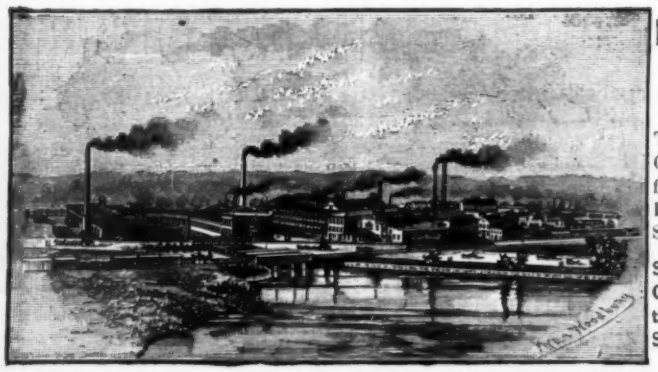

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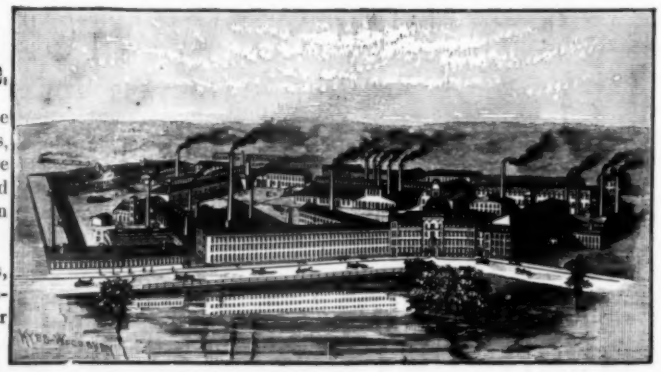

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BALTIMORE, APRIL 26, 1884.

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. We invite those interested in the development of the South to make free use of our columns. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more,—so if you desire to attract immigration or capital, or if you know of an opening for profitable investment in manufacturing, mining or kindred pursuits, write us an account of it. It will be published free of cost.

MR. B. B. DAVIS, of Eufaula, Ala., writes to the Bulletin, of that city, that he "learns that parties are about testing the adaptability of the sands of our State for the making of glass, for the purpose of utilizing the great supply of gas furnished by the wells of our own State. Others are boring wells, confident of obtaining oil."

THE property of the Allentown Iron Co. will be sold out under foreclosure proceedings by the bondholders. Prior to 1873 this company was very prosperous, paying large dividends, but it never fully recovered from the panic, and of late years has paid no dividends.

Our readers will confer a favor upon our advertisers and upon us, as well as benefit themselves, if, whenever they write to anyone advertising in this paper, if it is only for a catalogue, they mention that "your advertisement was seen in the BALTIMORE MANUFACTURERS' RECORD." A careful compliance with this request will be much appreciated.

Railroad Building in the South.

The outlook for railroad building at the South promises great activity, and, despite the restrictions imposed upon railroad operations by several of the Southern States, the prospect is very encouraging for an unusually large amount of track-laying in the aggregate, though in some of the States not much will be done until the unwise railroad laws now in force are either modified or repealed. The limit of profitable railroad extension in the South will not be reached for many years, and no more inviting field for the building of new roads can be found than in that section. There are vast mineral, timber and agricultural resources, as yet totally undeveloped,—their extent and richness being only partly comprehended. As new roads are built, opening up to the world these immense sources of wealth, outside capital will be drawn to the development of the South in even greater abundance than at present. A careful study of the industrial position of the South, its resources and prospects, will convince any one that we have only seen the beginning of the great development of that section. Looking at some of the most potent factors in the South's progress, we find that it possesses a combination of advantages that is truly surprising. Its climate is most excellent,—offering, according to the locality, every degree of change from temperate to tropical; its healthfulness will compare most favorably with any country in the world; its agricultural possibilities are unsurpassed, and nowhere can the farmer who understands his business be more sure of success; while the wide diversity of productions is unequalled by any other section; its advantages for manufacturing are attracting the attention of the whole business world; while its mineral wealth is so vast that it is now an assured fact that the South is to be the great coal and iron centre, not simply of America, but of the world.

Appreciating these facts as Northern and foreign capitalists are beginning to do, we need not wonder at seeing so many of them turning their attention to the South and uniting with the people of that country in developing these boundless resources. This is why there is now so much activity in the projection and building of new roads, the extension of old ones, and the construction of connecting links and branch lines. Many of the railroad projects now being successfully worked out at the South are of great extent, involving the outlay of millions, and others of equal importance are gradually assuming shape, while there are others which, though of less extent and less costly, yet are destined to be of great value, as they will open up new lines of traffic and bring into the market immense tracts of coal, iron and timber lands.

The remarkably low cost of steel rails and other railroad materials makes the present a most excellent time for railroad building, and the South will probably never have a more favorable opportunity for increasing her railroad mileage than during 1884.

India as a Wheat Competitor.

Some years ago we had occasion to study the condition and future prospects of the world's grain trade, and it was deeply impressed upon us then that India would become a very close competitor with the United States for supplying wheat to the European markets. This competition is now upon us, and the vantage ground which we once held in the world's wheat markets is no longer ours. That India can produce wheat at a much lower cost than American farmers can, no longer admits of a doubt; and, moreover, there is no chance for bringing the first cost of wheat in this country down to India's level, unless we are prepared to see American farmers and farm laborers living as their India competitors do—in hovels instead of houses, and with only a few cents a day to purchase food and clothes for their families. Thus in the cost of production of wheat India has the advantage, and she will retain it. In view of these facts and of the prospective gradually diminishing foreign demand for our wheat, it becomes of greater importance than ever before to build up a home market for our agricultural products.

Free trade would destroy many of our manufacturing and mining industries, and drive thousands of workmen into agricultural pursuits, while it would force others to live on the barest necessities. The farmer would, therefore, find his business cut into in two ways. An increased number of farmers would produce far larger grain crops than are now gathered, thus overstocking the market, while the decrease in the number of mechanics and the reduced purchasing power of those that still remained at work would cause disastrously low prices for farm products. It is folly to talk of free trade enabling American farmers to compete with India in the cost of wheat production. It could not do so.

As opposed to the disastrous effects of free trade, a protective tariff will continue to build up our industrial interests and steadily enlarge the home demand for agricultural products. Hence the farmer is as deeply concerned in protection as the manufacturer.

THE Wall Street News hears of a Cincinnati reporter who went down South to feel the political pulse of the people. When he reached Birmingham, Ala., he asked a policeman for the whereabouts of a free trader who would be apt to "pan out" on an interview. The officer walked him over to a second, and the second passed him to a third. The third was walking him to the city limits, when the reporter inquired: "Does he live far from here?" "Live? Why the man is dead!" "Dead?" "Certainly, I thought you wanted to see the tree on which he hung himself. He got so lonesome here that he even spoiled a good harness to get rope to choke himself with."

The Extension of the Valley Road.

The people of southwest Virginia are deeply interested in the extension of the Valley Road from Lexington to Roanoke or to Salem, and thence on down through the State, while in North Carolina there is equally as much interest in having this road built through that State. We consider the extension of this line the most promising railroad enterprise now before the people of Baltimore, and unless this work is done the trade of this city will undoubtedly suffer. It is true that by means of our excellent Western Maryland Railroad connections with the Shenandoah Valley Road we have direct communication with a large Southern territory, yet the ground is by no means fully covered. There is room for many more railroads in the South, and it is important that Baltimore business men should realize the necessity of taking a hand in the railroad development of that section.

Unfortunately, the capitalists of this city have taken too little interest in the industrial progress of the South, and, instead of the Southern people looking to this city as the centre of financial and business interests for their section, we find that Philadelphia, New York and Boston hold this position. One of the first moves to be made, if Baltimore is to become the great centre of Southern trade, is for our capitalists to develop new railroad facilities between this city and the South. The rapid progress of railroad building in the South suggests the necessity for prompt action by Baltimore before the great highways of future traffic are under the control of other cities. If the Valley road is to be extended let us do so, and push it on down to Atlanta, and thus open up a country marvellously rich in undeveloped resources.

IN speaking of the newly discovered tin mine at King's Mountain, N. C., the Charlotte Observer says that a shaft has been sunk twenty-three feet, showing the continuance of the vein, as well as of the accompanying wall, as far down as the bottom of the shaft. On a line about north, thirty degrees east, for some six hundred yards, this vein has been uncovered at five distinct points, the vein showing about the same degree of thickness as the vein at the shaft and the same general dip and direction. At a point fifty yards west of the main vein, off-shoots have been uncovered as at first indicated.

By one of these a shaft has been sunk for twenty feet, and the ore taken from it analyzed by Dr. Dabney, State chemist,—the specimen being taken from the vein by himself, as a representative piece of ore, the better to determine its character,—showed sixty-two per cent. of pure metallic tin, and containing only a trace of sulphur and no arsenic. This analysis was made the 31st day of March, the main vein not having been found at that time. The ore in the main vein seems to be identical with that found in the off-shoot, except that it is embedded in quartz of more solidity, decomposition not having affected it.

CONSTRUCTION DEPARTMENT.

We publish, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

Wm. N. Eddy's flour mill at Winchester, Va., will be changed to a roller mill.

Ludden & Bates, of Savannah, will soon establish a piano factory.

Antoine Moresi will build an ice factory at Jeannerette, La.

H. E. Graves will build large tobacco factory at Bristol, Tenn.

The Locust Point Land Co. of Baltimore will push work on the machine shops previously reported to be built for the H. A. Ramsay Co. Buildings will be extensive and fitted with best machinery; several hundred hands to be employed.

The Steward Heat and Light Co. of Balmore has been incorporated by A. W. Bostwick, L. K. Bartlett, Charles G. Cary and others. Object is to manufacture gas for heating and lighting villages, factories, churches, &c.

The Refugio Gold and Silver Mining Co. of Nashville, Tenn., will work a silver mine in Mexico.

Chartered—The Natauga Silver Mining Co. of Nashville, Tenn., by Henry E. Colton and others.

Incorporated in Johnson City, Tenn.—The Johnson City Foundry and Machine Works. Capital stock about $30,000.

The Nashville Trunk Manufactory has been organized in Nashville, Tenn., with W. C. McCann, secretary and treasurer.

The buildings for the Waco Woolen Mill, Waco, Texas, are nearly finished, and the machinery will soon be put in. About $150,000 will be the cost of buildings and machinery.

A tinware manufactory is to be started at Milton, Fla., and an ice factory at Daytona, in the same State.

The Louisiana Manufacturing and Cooperage Co., capital $50,000, has been organized in New Orleans to manufacture, with steam machinery, staves, hoops, general wood-work, &c. John B. Meyers is president, Philip Hirsch vice-president, and James T. Rodd secretary.

Reported that Northern capitalists will build cotton factory near Lockville, Chatham county, N. C.

Col. M. McRae and Alexander McRae have bought the "McLean Mill," near Shoe Heel, N. C., and will improve and operate it.

Wm. J. Hooper & Son, of Baltimore, large cotton manufacturers, have purchased the Mountain Island Cotton Mills, in North Carolina, for $125,000. They will enlarge mill capacity and probably spend about $75,000 for machinery.

Machinery of Roanoke Barrel-Heading Works, Tarboro, N. C., damaged by boiler explosion.

The Willow Brooke Manufacturing Co., High Point, N. C., are increasing their cotton machinery.

The Apalachicola & Alabama Railroad Co. has been organized to build a road 130 miles long, from Apalachicola, Fla., to some point in Alabama.

Cotton-factory project at Trenton, Tenn., previously reported, has been incorporated as "The Trenton Cotton Mills." The charter members of the company are: J. W. Hays, J. M. Senter, J. W. Elder, S. J. Taylor, J. A. Landis, Spl. Hill, M. C. Holmes, N. S. McRea and T. J. Happell. Money subscribed and ready now to negotiate for machiney.

A steam brick-yard is to be started at Owensboro, Ky.

Dr. Sloggett and Mr. — Dillingham, of St. Augustine, Fla., will put up a saw-mill.

The Roanoke Machine Works, Roanoke, Va., will prepare to manufacture car-wheels, as well as all parts of cars and locomotives.

A $3,000,000 mining, manufacturing and smelting company has been organized in Kentucky by Col. J. M. Andrick of Colorado, R. N. Robbins, F. S. Hastings, and others. The company has purchased large bodies of land in West Virginia, in which, it is said, there are found immense quantities of tin, coal, quicksilver, &c.

Smith, Mitchell & Co., Ashland, Ky., are at work building their saw-mill.

The Kanawha Woolen Mills Co., Charleston, W. Va., are at work on the enlarge ment of their building; previously mentioned.

A $12,000 Episcopal Church will be built in Charleston, W. Va.

The capital stock of the Durham Woolen Mills, Durham, N C., lately organized as reported, has been increased from $30,000 to $50,000.

The Fort Worth (Texas) and Southwestern Road is to be built at once to Brownwood.

The Houston, East & West Texas Railway is to be extended to Shreveport, La.

W. W. & J. C. Davis, North East, Md., are erecting an additional saw mill.

The Phillips & Buttorf Manfg. Co, of Nashville, Tenn., have added $250,000 to their capital to build the new stove foundry at Birmingham; previously reported.

Col. John T. Milner, of Milner, Caldwell & Flowers, lumber dealers, at Bolling, Ala., will build a fine saw mill in Mobile, Alabama.

J. J. Gibson, of Marshall, Tex., will build a $26,000 court-house at Center, Shelby county, Tex.

J. T. Brown & Co., Marshall, Tex., have received contract to erect a $27,000 court-house at Carthage, Tex.

A company is forming at Comanche, Tex., to build a flour mill.

A large storage warehouse and cotton compress are to be built at Helena, Ark. Reported that Berton & Johnson, of that city, are interested.

The company mentioned last week as organizing to buy the Pulaski Cotton and Woolen Mill, Pulaski, Tenn., has been chartered, with a capital of $100,000.

Manwell & Crabtree, Newberne, N. C, whose machine shops were lately burned, will rebuild at once.

The Cranberry Iron and Coal Co, of Cranberry, N. C., have just blown in a new furnace, and are contemplating the building of others.

F. W. Siddon, H. M. McNutt, Jos. F. Johnson, of Birmingham, and others, have organized a $200,000 company, to build foundry in Atlanta, Birmingham, Selma or Sheffield, to manufacture grates, mantels and hollow-ware.

Herbert Tanner, of Selma, Ala., and B. H. Craig have purchased large flour mills at Rome, Ga., and will operate them.

The Penrod Railway and Mining Co. has been organized; capital stock, $50,000. President, R. S. Bevier; H. C. Gans, secretary and treasurer;—both residing in Owensboro, Ky., where the office of the company is and will be. The company owns coal lands in Muhlenberg county, Ky, near the Owensboro & Nashville Railway, and adjoining the celebrated Mud River Coal Mines, which in Western Kentucky is the best bituminous coal produced.

Only $20,000 is needed to complete the subscriptions for a $300,000 cotton mill at Roanoke, Va., previously mentioned. L. H. Cocke, Roanoke, can give particulars.

The Capital Brewing Co. has been organized at Frankfort, Ky., with a capital of $70,000, by Sig. Luscher, Lewis Weitzel, and others.

A stock company has been organized and ground purchased in Jackson, Tenn., for building a hub and spoke factory.

Dr. Jas. A. Butner, of Salem, N. C., is preparing to build his new tobacco factory, previously reported.

Dennis & Sterling, Orlando, Fla., are pushing work on their furniture factory buildings.

W. C. Turner, Milan, Tenn., will build a cotton-seed oil mill.

August Kling, Mobile, Ala., is rebuilding his foundry, lately burned, as rapidly as possible.

Organized at Kingston, Tenn.—The Kingston Spoke and Felloe Co., G. A. Guenther president, and Otto M. Adae secretary,—previously reported.

E. Evans is building saw mill at Rockwood, Tenn.

Some prospect of new boiler works at Calera, Ala.

The Junction City Irrigating Co., Junction City, Texas, will build a canal about 8 miles long.

P. J. Kennedy, of New Orleans, will build water works for Shreveport, La.

Reported that a large coke furnace will be erected at Talladega, Ala.

Bones & Co., Rome, Ga., will put new engine and other machinery in their flour mill.

The company previously mentioned as working up a woolen mill project in Knoxville, Tenn., has been incorporated as the Knoxville Woolen Mills; capital $100,000, all subscribed. Incorporators are C. J. McClung, C. M. McGhee, E. J. Sanford, J. D. Cowan and R. P. Gettys. Work on buildings will probably commence about May 1st. It is probable that the Hiawassee Woolen Mills, capital $80,000, will be consolidated with the new company, making two mills under one management.

A narrow guage road is to be built from Bristol, Tenn., to Big Moccasin Gap.

H. A. Haralson, of Selma, Ala., has received an offer from Northern capitalists to put $200,000 into a new cotton mill, provided the business men of Selma will raise an equal amount. Negotiations are pending.

A large lime factory is to be started at Belton, Texas.

The Darlington Hotel Co. has been organized to build a hotel at Darlington, S. C.

A. J. Chambers, Fort Worth, Tex., is organizing a $50,000 tannery company.

The Virginia & Western Railroad has been fully organized to build a road through Botetourt and Craig counties in Virginia. J. H. Figgat, of Fincastle, Va., is one of the directors.

Incorporated—The West Virginia Boom Co., of Guyandotte, W. Va.

Simpson's mill and Cochran's mill, both at Rockmart, Ga., were washed away by high water.

L. R. Hapgood, Otter Creek, Fla., will build a box factory.

A machine shop will be started in Winchester, Ky.

The Ohio Silver Mining Co. has been incorporated in West Virginia; capital $100,000. Office in Gallipolis, Ohio.

The Brenham Ice and Refrigeration Co., capital $30,000, has been organized in Brenham, Texas, to purchase and operate the ice factory in that city now owned by C. H. Lawrence.

Pittsylvania county, Va., will build a $12,000 jail.

A meeting of the stockholders of the Washington, Cincinnati & St. Louis Railroad was organized at Harrisonburg by the election of the following officers: President, Archer N. Martin, New York; directors, C. E. Kimball, New York; H. D. Cooke, Washington, and U. L. Boyce, J. W. F. Allemong and J. S. Loose, Virginia. Energetic work will be commenced on the road early in May. This road will traverse one of the richest mineral and timber sections of Virginia.

The Selma & Tennessee River Railroad has been organized at Selma, Ala., with Hugh Haralson as president.

Sweeney & Cunningham, Lancaster, Ky., will build a tobacco factory.

H. B. Marksburg, Lancaster, Ky., will enlarge grain elevator.

Edward McDowell, Spartanburg, S. C., and Dr. N. Seymour will work a gold mine near that town.

Feagans & Haines, Charlestown, W. Va., will rebuild their milll, ately burned.

Incorporated—the Belton Ice Co., Belton, Tex.; capital $10,000.

James A. Gray, Winston, N. C., has prepared plans for the $20,000 Methodist church to be built in that town.

M. Morgan, Laurel Hill, N. C., will add new building to his cotton factory and put in weaving machinery.

BURNED.

Isenberg Paper Mill, Louisville, Ky.; loss about $20,000.

Saw and grist mill of Hicks & Buckhard, at Wickliffe, Ballard county, Ky.

Works of the King Gin and Machine Co., Montgomery, Ala.; loss $18,000.

THE new city of Sheffield, Ala., about which we have had considerable to say, is attracting great attention in all parts of the country. It is everywhere admitted that it must soon become one of the most important industrial centres of the South, and a growth equally as rapid as Birmingham's of late years, it seems to us, may be predicted for it. An advertisement in this issue of the MANUFACTURERS' RECORD calls attention to the auction sale of lots at Sheffield to take place May 8, and also gives some points as to the advantages of its location.

LOCKWOOD, GREENE & CO.
MILL ENGINEERS
Office, 65 Westminster St., Providence, R. I.
Carefully prepared plans, specifications and estimates furnished for the construction, equipment and organization of new mills and the revision and improvement of old.

MANUFACTURING.

Subscribe to the Baltimore Manufacturers' Record. Price $3 per year.

BALTIMORE.

MESSRS. W. J. CLARK & BRO., manufacturers of hydrants, N. Holliday street, have just received several large orders from firms in the city, and have enquiries from the South which will result in orders as soon as the weather is settled.

MESSRS. JAS. MURRAY & SON, machinists, Nos. 40 to 44 York street, have enough work to keep them going for some time. They are doing a considerable amount of work on brick-making machinery, and orders are still coming in. They have a large force, and business looks very encouraging.

MR. JAMES BATES, the well-known builder of elevators, corner Pratt and President streets, is continually shipping his patent elevators to the South, as well as fitting up new buildings in this city with them. He issues a descriptive catalogue, which will be sent free to any one desiring it.

MESSRS. E. J. CODD & Co., foundry and machine works, 255 S. Caroline street, report business as very good, having sufficient orders for repair work to keep their force employed, and have prospects for considerable new work.

THE Maryland Improved White-Wash Co., N. Holliday street, report that since commencing business they have had a liberal trade from the city and the South. Their business in a short time has increased to such an extent as to compel them to increase their force. They now have on hand a number of orders, large and small, for present and future delivery.

AT the warerooms of Mr. Philip R. Vogel, Jr., dealer in metal and metal goods, No. 79 German street, can be seen a full and varied assortment of a fine line of brass, copper and German silver wire, sheets, tubing, etc. He reports his business as increasing, especially his Southern trade.

MESSRS. JOHN C. FROELICH & Co., general machinists, Thames street, have enough work on hand to keep them going for some months. They have received contracts for building several tug boats in addition to the steamship mentioned some time since.

MR. F. H. FOLSOM, millwright and mechanical engineer, No. 18 East Falls avenue, has just completed a large job of work for a mill in the South, and has received contracts from others for additions, etc., to other mills in the same locality. He is also general agent for the Seidner Belt Fastener, which is becoming so favorably known, and which is claimed to be superior to any other mode of fastening belts.

IN GENERAL.

THE BRUSH-SWAN ELECTRIC LIGHT Co., Washington, D. C., have ordered a tubular boiler from John T. Coleman, of Baltimore. It will be set with the Jarvis Furnace by Mr. Joshua C. Coe, agent of that furnace in Baltimore.

WE note that the Lidgerwood Manufacturing Co. are building one of their improved reversible link-motion hoisting engines for the Lucas Coal Co., of Scranton, Pa., with a drum of sufficient capacity to hold 6,000 feet of rope. We understand that this concern make a very large line of special hoisting engines for mining purposes, and that they claim to keep finished parts of all their engines on hand at all times; so that, in case of any accident to the engine or breakage of any part, a duplicate can be furnished without a moment's delay. This is a very important point, and worth the attention of mining men. This company have sold over 2,500 hoisting engines in the past five years.

MR. MERWIN MCKAIG, proprietor of the Beal Engine, Boiler and Machine Works, Cumberland, Md., writes to us: "I am running full force and am very busy building my improved "Mogul" horizontal stationary engines, the new Keystone Roller Mills, pulleys, shafting, mill machinery, gearing and the Anderson Self-Lubricating Mine-Car Wheels. My patterns of Mogul engines range from 10-horse to 100-horse. This is a new engine that I have just put on the market, and I anticipate excellent results from it. The Keystone Roller Mill has also just been put on the market, and combines many new and valuable improvements. Received ord rs for eleven in one day. The Anderson Self-Lubricating Mine Wheels have been on the market a little over a year and they have been giving such good results that one of our largest coal companies has ordered over 500 of them, and claim that they are saving 75% of their oil."

D. MAC. M. NIVEN & Co., No. 1 Broadway, New York, represent the best gas and steam coal collieries in Nova Scotia and Cape Breton, and have made arrangements for the importation of a large quantity of the slack or culm coal produced in these collieries the present season. They are now in a position to negotiate for the sale and prompt delivery of this article during the coming season, and suggest to parties intending to purchase an early entering of their orders. The great economy in the use of fuel in connection with the Jarvis furnace is leading to its introduction in nearly every manufacturing district in the country, and will cause a general inquiry for cheap steam fuel. The principle under which this furnace is constructed gives to the screenings of gas and steam coal a special value.—*Coal Trade Journal.*

MILLER BROS., Asheboro, N. C., have just completed a very extensive flour mill.

HOWARD, BULLOUGH & RILEY, of Boston, have received orders for 6 drawing frames, 12 heads of 54 deliveries from the United States Cotton Company, Pawtucket, R. I. These frames will have the can and coiler motions and be fitted up with the Howard & Bullough Patent Electric Stop-Motion.

Philadelphia Iron Market.

PHILADELPHIA, April 21, 1884.

The careful restriction in the production of pig iron for several months past is the only thing which is now enabling makers of the standard and special brands to keep prices up, with the decided downward tendency which is in force. Everything of inferior make is declining, and only in the best grades is any firmness to be seen. Consumers of pig iron here seem determined to get stocks at concessions, but the stronger companies are holding their ground, having only moderate stocks. Inferior irons are selling at cost in a great many cases. Quotations for pig iron range all the way from $19.50 to $21 for No. 1 foundry; $18.50 to $19.50 for No. 2, and $17.50 to $18.50 for Gray Forge. Buyers seem to be afraid to buy, and are providing, as usual, for current requirements only. Inferior irons are being freely offered, but no considerable sales are reported. Mill owners are not stocking up, as the market for finished iron is still in a very depressed condition and prices very low. Steel rails are dull and prices are declining,—a good sale being reported at a shading from $33 at mill. $33.50 to $34 are the usual prices paid for small lots. No large orders are in sight.

Nails are quite active at $2.50 to $2.60; merchant iron, 1.90 to 2 cts. nominally, but only the best makes sell at that. Western iron is offered at about 1.75, and is depressing prices for Eastern makes. Plate, tank and structural iron are being ordered in small lots for immediate use at about old figures. Old rails are quiet, on account of the difference between buyers' and sellers' views. Old tees are offered for shipment at $22, but only small lots are selling at that figure, and some at $22.50. Muck bars are selling slowly at $31.50 to $32.50. The market generally is quiet, and prices have a dropping tendency, except for best qualities. An improvement is still looked for, and will probably come, but the prediction is worn about threadbare, and nothing definite can be said as to the course of demand or prices; the consumptive requirements are large, but it may be that buyers will continue their hand-to-mouth policy of buying, and keep the market in its present depressed condition for months to come.

Louisville Iron Market.

Specially reported by GEO. H. HULL & Co., Commission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KY., April 21, 1884.

The iron market continues quiet. Sales are light, with very little disposition to book orders for future delivery. Furnaces generally are firm in price.

PIG IRON.

Southern Coke, No. 1 Foundry	$18 50@19 25
" " " 2 "	17 50@18 00
Hanging Rock Coke, No. 1 Foundry	19 50@20 50
" " Charc'l, " "	22 00@23 50
Southern Charcoal, No. 1 Foundry	21 00@22 00
Silver Gray, different grades	16 00@18 00
Southern Coke, No. 1 Mill, Neutral	15 50@16 00
" " " 2 " "	15 00@15 50
" " " 1 " Cold Sh't	15 50@16 00
Southern Charcoal, No. 1 Mill	16 00@18 00
White and Mottled, different grades	14 00@14 50
Southern Car Wheel, stan'd brands	26 00@27 00
" " " other brands	22 00@24 00
Hanging Rock Cold Blast	27 00@28 00
" " Warm "	22 00@23 50

Specially reported by W. B. BELKNAP & Co., Nails, Wire, Iron, Hardware, Carriage and Wagon Goods.

LOUISVILLE, KY., April 21, 1884.

There is slightly better demand for bar iron, but the lots are very small and for immediate delivery, and go at once into consumption or serve to sort up the skeleton country stocks. The mills are pushing their product on the market with rather unusual persistency, which indicates thin order-books. Yet, while this process is going on, they all claim to be losing money, and insist that some change must be speedily effected to prevent general catastrophe. There is a good deal of complaint of poor quality and lack of finish of the iron which is sold at bottom figures, and the more careful manufacturers will not accept it without submitting it to tests and having it covered by guarantee.

Hoop iron.—There is also a slight improvement in this grade of iron, and some contracts are being made for May delivery, which indicates confidence in the present prices.

Sheet.—The heavier gauges are quiet, and large lots could probably be had at concessions. Stove-pipe, gauges 26 and 27, demand a slightly better price than they did sixty days ago.

Steel.—Tool steel is only in limited demand. The low prices made by the manufacturers seem not to have stimulated its increased use.

The season for agricultural steels is about over. These have been sold at unquestionably low figures this year.

Nails are very active. The spring demand, which was so long deferred, seems to have blossomed out all at once under the influence of the genial sun, and the present prices will doubtless hold good until the bulk of the trade is over.

We do not hear much more talk of the pool and can hardly see how it could be satisfactorily formed under the avowed intention of some of the makers to stay out, and any plan which left out the consideration of the Eastern mills would hardly succeed, as every now and then the low freights enable the latter to reach the Western and Southern markets on as favorable basis as the local mills.

The introduction of steel nails, too, would be a disturbing element in any arrangement with the iron nail mills.

Wire is still extremely scarce and firm. The trouble is not so much to get the advance as it is to get the wire. All through this country, since the floods have swept away the fences, there has been an unprecedented demand for barb wire.

Improvements in the erection of fence and a better understanding of how to treat the wire itself has rendered it more popular, besides the important economy in the saving of the country's timber.

All farm goods are moving actively and the general trade in shelf hardware is, on the whole, about as satisfactory as usual at this season.

Chattanooga Iron Market.

Specially reported by S. B. LOWE.

CHATTANOOGA, TENN., April 21, 1884.

Although prices are low, trade in nearly all lines is quite active. Several manufacturing enterprises have recently started operations in this district, and others are being organized. All in operation are running full time. We make no change in quotations:

No. 1 Foundry	$18 00	@19 00
No. 2 Foundry	17 00	@18 00
Gray Forge	14 00	@15 00
Car-Wheel Metal	23 00	@25 00
Ores, brown and red	1 50	@ 2 00
Furnace Coke	2 00	@ 2 50
Nails, car load lots	2 50	@— —
Bar Iron	1 85	@— —
Old Rails	21 00	@— —
Old Wheels	17 00	@— —
Wrought Scrap, No. 1	16 00	@— —
" " No. 2	13 00	@— —
Spikes (Railroad)	2 40	@— —
Spike Rods	1 90	@— —
Light Rails	2 15	@— —
Barbed wire—4-pt. galvanized	6	@— —
" Cambria Link	6	@— —

NEW PUBLICATIONS.

THE Deane Steam Pump Co., of Holyoke, Mass., have issued their 1884 catalogue, giving illustrations and full descriptions of the various styles of pumping machinery for every variety of service; and also steam pumps, either of single or duplex pattern, suitable for all duties. The information given in this volume in relation to pumps and pumping machinery is almost invaluable to all users, in addition to which there are several pages of valuable facts and figures that will be found of much service. The catalogue can be had upon application.

WE have received from Col. Albert A. Pope, Boston, Mass., "What and Why," a finely-printed and unique little volume upon cycling matters. The contents are made up of information which will doubtless create a revolution among wheelmen, for within the pages of the book is an ocean of matter in a bucket. "Some Common Questions" are catechetically answered in the plainest and most concise language, questions with answers which give a complete history of cycling, its growth, usefulness and popularity. A chapter christened "Legal Lifts" cites every bicycle case brought before the courts, and fully explains the rights of wheelmen. The sprightly semi-humorous sketch entitled "A Preparation of Iron," with an unmistakable bicycle moral, by the author, Chas. E. Pratt, Esq., is well worth reading.

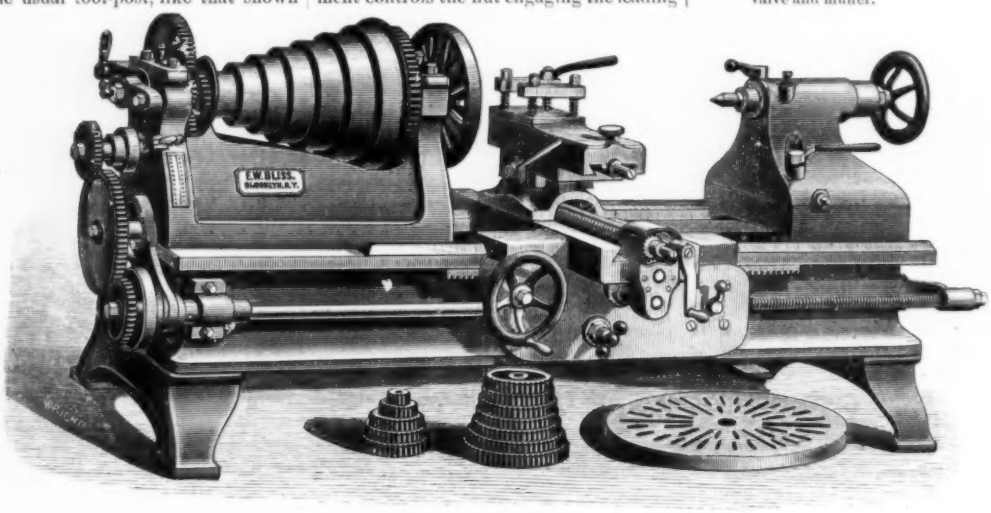
MESSRS. GOODELL & WATERS, Philadelphia, have just issued a new catalogue for 1884. It embraces a full line of woodworking machinery, together with many new and improved machines. It will be found a useful and valuable volume to mill owners, operators and others contemplating purchasing wood-working tools, to whom Messrs. Goodell & Waters will be pleased to forward a copy upon application.

THE MAGAZINE OF ART, "a richly illustrated and varied record of the beauties of ancient, medieval and contemporary art," fully merits the claims made for it as the foremost journal exclusively devoted to art in all its various departments. It should be read by everybody interested in art matters. The May number more than sustains the reputation achieved by former issues. Published by Cassell & Co., limited, New York.

Engine Lathes.

In this issue we present to our readers two illustrations of engine lathes, manufactured by E. W. Bliss, of 17 Adams street, Brooklyn, N. Y., well and widely known as a manufacturer of machinery and tools for sheet metal and special work.

These lathes embrace some new features, which we deem worthy of notice. The carriage of the 34-inch lathe can be fitted with the usual tool-post, like that shown in the illustration of the 20-inch lathe, or with clamping bars for holding the tool, as shown in the cut,—whichever may be desired,—and has compound rest, longitudinal, cross and angle feed.



ENGINE LATHES.

The tool-post is clamped to the carriage by a single screw, which is shown in the cut, on the left-hand side of the post, and the carriage can be secured to the bed when the cross-feed is in use.

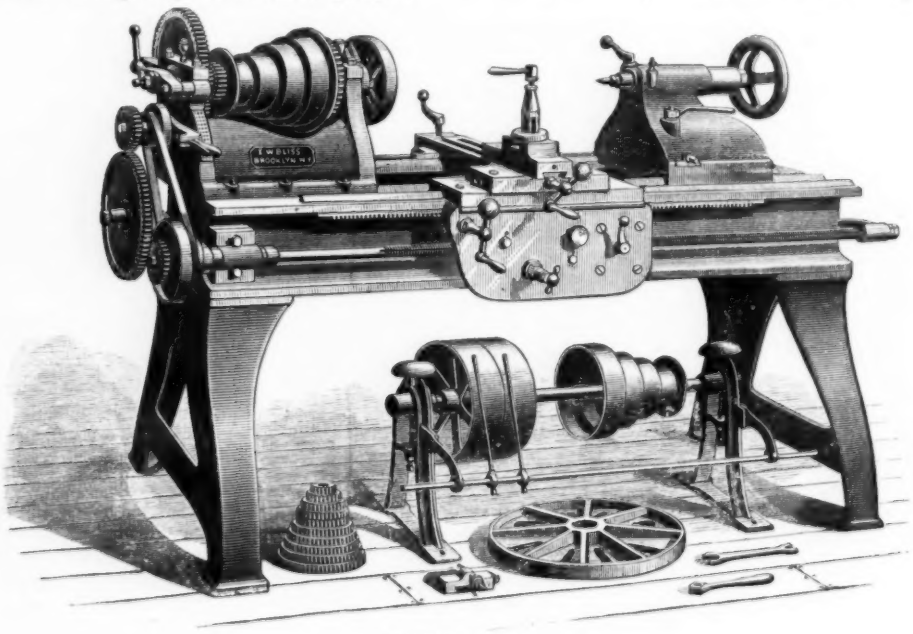
The head is geared so as to give fourteen separate speeds, and the seven steps on the cone pulley on the line spindle and the proportion of the back-gearing are arranged with the intention of providing a uniform increase of motion from the proper speed, to cut work, at the full capacity of the lathe, down to ⅜-inch diameter.

The great length and strength of the spindle, which is made of fine tool steel, are intended to give steadiness and solidity in working large pieces in the chuck or on the face-plate, when the back-centre is not in use. The dimensions of the front bearing are 4½ inches in diameter and 5 inches in length, and of the back bearing 2½ inches diameter by 5 inches long.

The 20-inch lathe is fitted with longitudinal and crossfeed, and an elevating screw in carriage to move the tool post. The cone pulley has four steps, giving eight changes of speeds, and the dimensions of the bearings are: Front bearing 2⅜ inches diameter by 4½ inches long, and back bearing 1¼ inches in diameter and 2 5-16 inches in length.

We must not omit the fact that these machines have an attachment to facilitate the cutting of screw threads. This attachment controls the nut engaging the leading threads and enables the operator to bring the tool to bear with certainty at the proper point of the work, whether the thread being cut is a multiple of the leading screw or not, and as the first cut may be accurately repeated by simply unlocking the carriage and moving it back to the starting point, the necessity of reversing is avoided, and the machine is therefore driven by a single belt.

All the working and bearing surfaces are carefully lapped and scraped, and the workmanship and materials are first-class in every respect.



ENGINE LATHES.

We may add in conclusion that these tools were designed to meet a want which Mr. Bliss had long felt during his experience in the machinery business, and with a view to avoiding the weaknesses and defects found in those of other makers.

We can confidently recommend them to those of our readers who may be in want of a tool of this character.

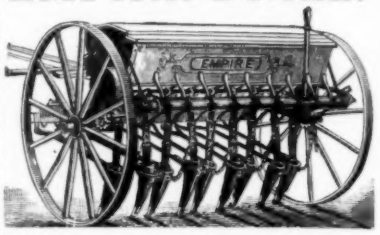
☞ If you are not already a subscriber to the BALTIMORE MANUFACTURERS' RECORD, *send us $3 and you will receive it regularly for one year or six months for $1.50.*

List of Patents.

The following patents were granted to citizens of the Southern States, bearing date April 15, 1884. Reported expressly for this paper by Louis Bagger & Co., mechanical experts and solicitors of patents, Washington, D. C.

297,055. Baughn, R. F., Lexington, Miss. Gate.
296,912. Bishop, Henry, Baltimore, Md. Advertising bird-cage.
296,811. Blair, A. J., Knoxville, Tenn. Device for forming bails for buckets.
296,920. Brannan, Wm., Fredericksburg, Va.—Fire-escape ladder.
297,066. Cole, Jos. M., Baltimore, Md. Safety-valve and muffer.
296,732. Craig, W. R., Columbia, Tenn. Cultivating harrow and scraper.
296,922. Curtice, J. M. & W. H., Louisville, Ky.—Churn.
296,932. Cussons, Jno., G'enallen, Va. Calendar.
296,938. Dees, L. C., Lake Charles, La. Dumping-wagon.
296,947. Gardner, W. T., Tarboro, N. C. Cotton-planter.
296,951. Gray, G. A., Jr., Covington, Ky. Metal-planing machine.
296,957. Hathaway, C. L., Austin, Tex. Car-coupling.
296,961. Hibner, W. T., Baltimore, Md. Cherry seeder.
296,966. Hudgens, R. H., and H. R. Allison, Laurens Courthouse, S. C. Shovel plow.
296,838. Jones, Jesse A., Raleigh, N. C. Grain crusher and disintegrator.
296,863. McMurray, Louis, Baltimore, Md. Machine for packing ensilage, &c.
296,989. Mercer, Alfonso, Norfolk, Va. Tool-holder.
296,998. Page, G. F., Baltimore, Md. Road engine.
297,087. Prunty, John E., Baltimore, Md. Automatic relief valve for steam fire engines.
297,011. Rogers, C. W., Baltimore, Md. Harness pad.
297,091. Stetzel, Frederick, Louisville, Ky. Rotary steam engine.
297,092. Stetzel, Fred., Louisville, Ky. Rotary water meter.
297,038. Vaile, C. A., Baltimore, Md. Skylight.
296,889. Tarbox, Paschal A., Louisville, Ky.—Spring motor.

EMPIRE DRILL.



With Force-Feed Fertilizer Attachment.

Any brand of commercial manure sown with accuracy. **NO GUESS WORK.** Over 8,000 in use, giving unbounded satisfaction.

Sheldon Self-Dump RAKES and Excelsior Horse-Poke.

All three Implements first-class in every respect. Address inquiries to

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ENGINES, BOILERS, &c.

For Sale Low.

1 Potter Horizontal Engine, 50-H. P. New
1 " " " 18-H. P. "
1 " Portable " 25-H. P. "
1 " " " 4-H. P. "
1 Birdsall Traction Engine, 10-H. P. "
1 " Portable " 10-H. P. "
1 " " " 8-H. P. "
1 " Semi-Portable Engine, 8-H. P. New.
1 Wood, Tabor & Morse, 8-H. P. Second hand.
1 Curley Saw Mill, No. 2. New.
1 Novelty Saw Mill. New.
Also Engines, both Portable and Stationary, any size, or any size or description of Boilers.
The Gardner 3-Cylinder Engines.
Snyder's Little Giant Engines and Boilers
Low Prices guaranteed. Send for Estimates, stating size wanted and purpose to be used for, to

WM. R. EMERSON,

6 and 8 North Liberty St.,

BALTIMORE.

THE PERFECT

Towel Holder

is selling very fast in the East, and is meeting with well-merited success. This little article should be in every place where a towel is used, as it saves towels and at the same time saves trouble. We will send a sample with prices for 15 cts., or a sample dozen for $1 00.

Haff & Co., Box 24,

HARTFORD, CONN.

Patent applied for.
Cut Half Size.

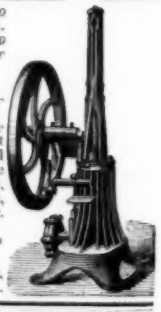
THE SOMBART PATENT **Gas Engine**

Started Instantly. No Fire to Build. No Boiler to Watch. No Engineer Required. No Coal nor Ashes. No Water Needed.

NO DANGER OF EXPLOSION!

Four Sizes, ¼, ½, ⅓ and 1-horse-power, *(Actual.)*

When stopped all expense ceases. The most convenient and cheapest Motor for small power ever made. Just the thing for *Printing Offices, Laundries, Jewelers, Saddlers, Coffee Mills, Small Shops, etc.*



Sombart Gas Engine Co.,
HARTFORD, CONN.

For sale by *Jackson & Tyler*, 16 S. Howard St., Baltimore.

SCALES,

Anvils, Vises, Portable Forges, Blacksmith's Tools, Hardware Specialties.

Send for Price-List.

Chicago Scale Co., CHICAGO.

The Herrington Potato Digger.

A potato digger that will do satisfactory work has long been needed, and many patents have been issued for machines to do this work, but it is claimed that they have very generally proved unsuccessful. One, however, has been put upon the market—the Harrington Potato Digger—which we illustrate to-day, that seems to have met all the requirements, and the most thorough tests have demonstrated its great value.

It was awarded a diploma from the Western New York Agricultural Society at Rochester, N. Y., September 30th, 1881, for a successful machine for digging potatoes, also first premium at the fairs of both Rensselaer and Saratoga counties, N. Y., and "certificates of highest merit" at New York State Fair, 1882.

The frame or enclosure which contains the machinery for operating the digger is hung on the axle of the machine. At the rear end of the enclosure the digger proper is hung at its top centre to a shaft which projects from the enclosure, which has a rapid, short, oscillating motion when in operation, which is driven by a crank and a sliding box up near the handle of the machine, which is also enclosed. The vine and weed kickers are driven with a chain belt, as can be seen.

The operator holds the handle of the machine in one hand, the reins in the other. As the machine hangs flexible, the digger can be elevated or lowered at will. When the end of a row of potatoes is reached, the operator hoists the digger out of the soil, and at the same time the vine straighteners under the poles are hoisted and held by a spring and ratchet, so that the operator has nothing to do but attend to his team until he gets into position for the next row; then he pulls the cord on top of the handle, which lets the digger and vine straighteners down ready for operation, thus digging every row in succession.

THE HERRINGTON POTATO DIGGER.

It will dig where there are heavy vines, and do good work in all kinds of soil, leaving the potatoes on top of the ground, without cutting or bruising, and in good shape for picking up. The manufacturers guarantee its work. Further particulars can be obtained from the Planters' Hoe Co., Troy, N. Y.

Col. I. W. Avery, one of the most brilliant and trustworthy journalists of Georgia, is in this city on a visit to friends and will remain with us for several days. Col. Avery has done a vast amount of splendid newspaper work, and has given powerful aid in advertising and developing the Southern country.—*Daily News*, Greenville, S. C.

Cincinnati is probably better supplied with good hotels than any other city of its size in the United States, and one of the best of them is the Palace Hotel, corner Vine and Sixth streets. Under its new management it has grown wonderfully in popularity, and it has a constantly increasing patronage. Travelers will find it about all that is to be desired in the way of a first-class hotel. ‡

The James River Valley.

Its Great Openings for Manufacturers—Combination of Good Lands, Minerals and Timber.

[Special Correspondence Baltimore Manufacturers' Record.]

In my last I adverted to the water-power of the James and its tributaries. In this letter I propose to give attention to agricultural lands in the valley and its adjacent country.

The valley proper includes only alluvial lands. It varies in width from one-eighth of a mile to a mile or more. The soil is very rich. It is especially productive in the cereals and produces the various grasses to perfection. A number of the farmers in the valley have turned their attention specially to grass and stock-raising in latter years, and have been successful in these lines of business. Dairying has been attempted since the railway was built, and the experiment goes to show that it is profitable as long as the city demand for dairy products is sufficient to insure reasonable prices. With factories and cities studding this valley, as will be seen in the course of time, this will be a great business.

Tobacco was the great staple of this valley in ante-bellum times and is now largely cultivated; but the tobacco for shipping abroad, formerly so much in demand, has lost its prestige and the brighter and lighter grades have come into demand. These grades can be raised in the higher and fresher lands on the sides of the hills and mountains, but not on the rich bottom and table lands. That, however, will prove no loss in the end, for grass and stock will ultimately prove more profitable and improving than the tobacco was. A large proportion of the river lands formerly commanded from thirty to fifty dollars per acre, including the uplands on the margin of the valley. That they do not command now more than half that much is due to the fact that many have been thrown on the market, with but few able to buy even at the reduced price. That they will regain their former values is as certain as free labor is superior to slave labor. To hasten this consummation, however, a sub-division of the large tracts is very advisable.

From Richmond to its head-waters the river runs between beautifully-sloping hills, gradually getting more precipitous as you go up stream, but seldom are they so steep as to forbid the culture of the vine. A large portion of the country is preëminently adapted to this culture, and the success in vine culture in Albemarle will have a marked effect in expediting it all along this valley.

The country is also finely adapted to raising fruits generally, but especially the apple. In Albemarle, Nelson and Amherst, the "Albemarle Pippin" has been raised to great perfection, and has proven the most high-priced apple of the continent for shipment abroad.

Improved farms in this valley and the adjacent uplands can be bought at prices ranging from $5 to $25, according to fertility and convenience to railway and other advantages.

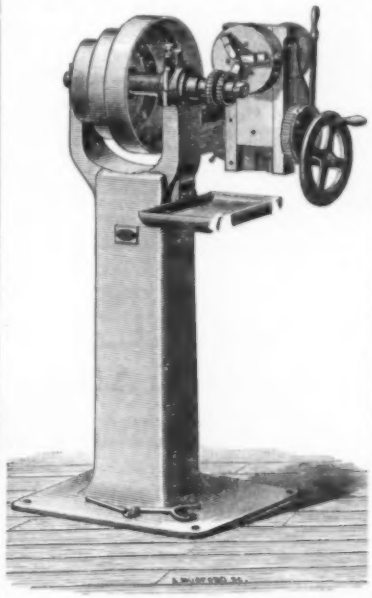
A more beautiful country is seldom if ever seen than is this valley from Richmond to the head-waters of the James. It is supplied with the best railway facilities east and west, and crossed by trunk lines running north and south. Birg.

Richmond, Va., April 16, 1884.

An Improved Nut and Bolt Head Miller.

The accompanying illustration shows an Improved Nut and Bolt Head Miller, manufactured by Dwight Slate, 262 Main street, Hartford, Conn. This machine, which has been designed by Mr. Slate, is especially adapted to straddle milling all forms of nuts, bolt and screw heads; and also to slotting screw heads. It will take in bolts from the smallest to 1¼ inches, and of any length, and will mill all sizes of nuts suitable for the same. The adjustments from one size to another can be made in two minutes.

With each machine there are furnished one pair of cutters suitable for all the above operations, (except slotting,) and a full set of gauge collars to go between the same for all sizes from ¼ to 1¼ inches inclusive, varying by sixteenths; a countershaft and all other appliances necessary for immediate operation.



IMPROVED NUT AND BOLT HEAD MILLER.

There are no fixtures to be changed; the machine is always ready and, it is claimed, will be found far superior, for the use intended, to any milling machine heretofore made, however expensive. Further particulars can be obtained from the manufacturer.

Important to Southerners.

Persons arriving in New York via Cortlandt Street Ferry, by taking the 6th Avenue Elevated Train, corner Church and Cortlandt streets, can reach the Grand Union Hotel in 42d street, opposite Grand Central Depot, in twenty minutes, and save $3 carriage hire. If en route to Saratoga or other summer resorts via Grand Central Depot, all baggage will be transferred from hotel to this depot free. 600 elegantly furnished rooms $1 and upwards per day. Restaurant the best and cheapest in city. Families can live better for less money at this hotel than at any other first-class hotel in the city. ‡

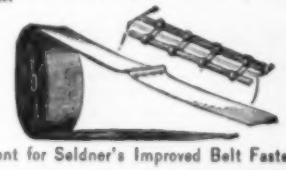
Advertisers wishing to reach the manufacturers of all classes, mining companies, steel, iron, and hardware dealers of the entire South, cannot find a better medium than the Baltimore Manufacturers' Record. We are always prepared to furnish proof of our claims as to circulation.

F. H. FOLSOM,

Millwright and Mechanical Engineer,

18 East Falls Ave., BALTIMORE, MD.

All work executed and Drawings furnished at shortest notice for Floating and Stationary Elevators, Flour Mills, Malt Houses, Breweries, Saw Mills, Fertilizer Factories, Sumac Mills, Paper Mills, and all other kinds of Machinery.—*Orders by mail promptly attended to at lowest prices.*



Agent for Seldner's Improved Belt Fastener.

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Derby Roll Top Desks.

—Best Office Desk in the World.—

Cherry, Walnut, Oak, Ash and Mahogany.

Send for Illustrated Catalogue.

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55 Charlestown St., Boston, Mass.

E. J. CODD & CO.

Foundry, Machine and Boiler Works,

255 to 261 S. Caroline St., BALTIMORE.

—BUILDERS OF—

Stationary and Marine Boilers, Stills, Tanks, Agitators, Kettles, &c., Stationary and Marine Engines, Fertilizing Mills, Steam Dredges, &c.

Prompt attention given to Steamship, Mill and other Repairs. Iron and Brass Castings made to order.

—ESTABLISHED 1865.—

Steam Boilers

JOHN T. COLEMAN & SONS,

Steam Boiler Works,

Cor. Holliday and Pleasant Sts., Baltimore.

Manufacturers of all kinds of Steam and Bath Boilers, Smoke Stacks, Water Tanks, Lard Kettles, &c. Particular attention given to repairs.

WIRE RAILING

and Ornamental Wire Works.

DUFUR & CO., 36 N. Howard St., Baltimore.

Wire Railing for Cemeteries, Lawns, Gardens, Offices and Balconies; Window Guards, Tree Guards, Wire Cloth, Sieves, Fenders, Cages, Sand and Coal Screens, Iron Bedsteads, Chairs, Settees, &c.

THE MARKETS.

OFFICE MANUFACTURERS' RECORD,
BALTIMORE, April 23, 1884.

There is nothing new to be said about trade in general, business continuing in most lines moderately fair, though there is considerable dullness in some branches.

The manufactured iron market has been quiet, with transactions small and prices generally quoted lower. We revise our figures as follows:

Ref. Bar Iron, 1 to 6x⅜ to 1	₩ lb.	1.9 @	2 c
" " 1 to 4½x⅜ to 1	"	1.9 @	2 c
" " ⅜ to 2, round and square	"	1.9 @	2 c
Hoop Iron 1½ wide and upward	"	2.8 @	3 c
Band Iron, from ½ to 6 in. wide	"	2½ @	2.6c
Horseshoe Iron	"	3.2 @	3.3c
Norway Nail Rods	"	5 @	5½ c
Black Diamond Cast Steel	"	10 @	11 c
Machinery Steel	"	4½ @	4¾ c
Spring Steel	"	3½	4 c
Common Horse Nails	"	10 @	11 c
Railroad Spikes, 5½x9-16	"	2.5 @	2.6c

The demand for pig iron remains about the same, with orders only for small lots. We quote as before, viz:

Baltimore Charcoal Wheel Iron (all Baltimore ore)	$28 00@29 00
Virginia C. B. Charcoal Wheel Iron	28 00@—
Anthracite, No. 1	21 00@23 00
" " 2	20 00@21 00
" " 3	18 00@20 00
" Mottled and White	16 00@17 00

Cincinnati Iron Market Report.

Specially reported by ROGERS, BROWN & CO., Pig Iron Commission.

CINCINNATI, April 21, 1884.

A very quiet market has been experienced throughout the entire Western and Northwestern market. Buyers have placed car-load or one hundred-ton orders to even up stock and keep their foundries and mills running, but have shown no disposition to make larger purchases. There is little or no pressure to sell from the leading furnaces, as most of them are largely oversold, and for several weeks have been embarrassed from inability to keep up with running contracts and fill new orders. No concessions in prices have been made on standard grades, although the tone of the market is weaker. If prices should, in consequence of the depression, adjust themselves on a lower level, more furnaces will be blown out in the near future. It is not believed that business would be increased in volume to any extent if prices were reduced $1 per ton all round, as the prevailing feeling is towards restricting business to a minimum basis until certain elements in situation, such as crop prospects, tariff legislation and the course of events at the speculative centres, are more fully settled. We quote for cash f. o. b. Cincinnati:

HOT-BLAST FOUNDRY.	
Hanging Rock C. C., No. 1	$21 50@23 00
" " " " 2	19 50@22 00
Southern " " " 1	20 00@20 50
Strong Coke, " 1	18 50@19 25
" " " 2	17 50@18 00
" " " 3	17 00@17 50
Soft Stone Coal, " 1	18 50@19 25
" " " 2	17 00@18 25
FORGE.	
Strong Neutral, No. 1 Mill	16 00@16 50
Cold Short, " 1 "	15 00@16 00
CAR WHEEL AND MALLEABLE.	
Hanging Rock C. B.	30 00@31 00
" " W. B.	20 00@24 00
Southern Car-Wheel Iron	24 50@26 00
Lake Superior " "	24 00@25 50
" " Malleable	24 50@25 50

Specially reported by E. L. HARPER & Co.

CINCINNATI, April 21, 1884.

The business of the past week has been much more active, prices having touched such a low stratum that buyers feel quite secure in prevailing figures. While in some round-lot transactions some furnaces have made slight concessions, the tone of the market is stronger than a week ago. Were the uncertainties of the issues between the proprietors of foundries and mills and their employees removed, and the disturbing political agitation suppressed, a feeling of comparative satisfaction would prevail, and a brighter outlook be safely indulged. We quote as prices current:

	Four Months.
FOUNDRY.	
Hanging Rock Charcoal, No. 1	$22 25@23 25
" " " " 2	21 25@22 25
Strong Neutral Coke, " 1	18 50@19 00
" " " " 2	17 50@18 00
American Scotch, " 1	18 50@19 00
GREY FORGE.	
Neutral Coke	16 50@17 00
Cold Short	16 25@16 75
CAR WHEEL AND MALLEABLE.	
Hanging Rock, strictly cold blast	—@27 25
" " " warm "	24 00@24 50
Lake Superior Charcoal, all grades	24 00@25 00
South. Car Wheel, strictly cold blast	26 00@26 50

St. Louis Iron Market.

Specially reported by HOFFER & Co., Pig Iron and Iron Ore, No. 318 Olive Street.

ST. LOUIS, April 21, 1884.

We have no change to note either in prices or the condition of the market. We quote:

HOT-BLAST CHARCOAL.	
Missouri	$19 00@20 00
Southern	20 00@22 00
Ohio	24 00@26 00
COKE AND COAL.	
Missouri	19 00@20 00
Southern	18 50@19 50
Ohio	21 00@25 00
MILL IRONS.	
Red Short	17 50@18 50
Neutral	17 00@18 00
CAR-WHEEL AND MALLEABLE IRON.	
Missouri	19 50@21 00
Southern	25 00@28 00
Ohio	23 00@32 00

Iron, par.

Richmond Iron Market.

Specially reported by ASA SNYDER, dealer in Scotch and American Pig Irons.

RICHMOND, VA., April 21, 1884.

The iron trade has developed no new features since last report. It continues in the same old rut, *i. e.*—Sales of small lots for immediate wants. Prices as follows:

PIG IRONS.	
No. 1 Scotch Pig Iron	$23 00@25 00
No. 1 Anthracite	22 00@22 50
No. 2 Anthracite	20 00@22 00
No. 3 Anthracite	19 00@21 00
No. 1 Virginia Coke	19 00@20 00
No. 2 Virginia Coke	17 00@18 00
No. 1 Virginia Coke Mill Iron	16 00@17 00
White and mottled	—@16 00
Virginia C. B. Wheel	29 00@32 00
No. 1 Wrought Scrap	19 00@20 00
No. 1 Machinery Scrap	17 00@18 00
Old Rails	23 00@24 00
Old Dominion Nails ₩ keg	—@ 2 60
Richmond Refined Bar Iron, ₩ lb	—@ 2
Horse-Shoes, (Tredegar,) ₩ keg	—@ 4 00
Mule-Shoes, (Tredegar,) ₩ keg	—@ 5 00

HARDWARE.

Since our last issue prices have remained nominally steady, with a fair amount of business, orders being mainly for small lots, and then only to supply immediate wants. The most activity is, of course, in such season goods as are indispensable. Some dealers think that prices generally are at the bottom, and that any change in the future must be towards higher figures. In the meantime, however, considerable cutting is being done, and especially by Philadelphia dealers, who are offering goods to the retail trade in the South at about the same price as to jobbers. Baltimore dealers, of necessity, have to meet the cutting in prices made by their rivals in other cities.

Standard door springs are now quoted at 50 and 10 off, instead of 50%, and German silver spoons at 40%, instead of former discount.

Nails are in fair supply, with orders much smaller than had been anticipated and prices still quoted at $2.50 to $2.60, according to quantity. The views of a Wheeling nail manufactnrer, as given in our last issue, predicting a dull nail market this year, and greater production than consumption, appear to about coincide with the ideas of some of our local dealers. Certain it is that the expected spring boom in orders for nails has not yet put in its appearance. The Western nail manufacturers have formed a pool to restrict production and maintain prices, but whether they will be successful or not remains to be seen.

THE SARANAC HORSE NAIL COMPANY, Plattsburg, N. Y., in common with very many first-class manufacturers of goods for the hardware trade, report a volume of trade for February and up to the middle of March exceeding by over 200 per cent. the record of these two months for any year in the history of their large business. As an index of the way their nails are received in the West and Southwest a glance at their order book for the past fifteen days of March showed orders as follows: To one house in St. Louis, twelve tons; Galveston, Tex., four and a half tons; Knoxville, Tenn., five tons; Rio de Janeiro, South America, two tons; Baltimore, Md., two tons; Houston and Belton, Tex., two tons; Wheeling, W. Va., one ton; one New York house, four and a half tons. Very many smaller orders had been booked from the West, which would run the aggregate very much larger. This company have within the past year added new machinery and otherwise made improvements which have nearly doubled their capacity for manufacture.

PAINTS, OILS, &c.

PAINTS.	
Black Lamp, coach painters	₩ lb 20c
Black Lamp, ordinary	₩ lb 6c
Black Ivory Drop, fair	12@15c
Black Ivory Drop, best	33c
Black Paint, in oil..... kegs, 6c; asst'd cans, 9c	
Blue Prussian, fair to best	40@55c
Blue Prussian, fair to best, in oil	45@55c
Blue Chinese, dry	70c
Blue Ultramarine	15@25c
Brown, Spanish	4c
Brown, Van Dyke	5@15c
Green, chrome	8@15c
Green, chrome, in oil	8@12@15c
Green, Paris ..... good, 20c; best, 25c	
Green, Paris, in oil ..... good, 20c; best, 25c	
Iron Paint, bright red	₩ lb 2½c
Iron Paint, brown	₩ lb 1½c
Iron Paint, purple	₩ lb 3c
Iron Paint, ground in oil, bright red	₩ lb 5½c
Iron Paint, ground in oil, red	₩ lb 5c
Iron Paint, ground in oil, brown	₩ lb 4½c
Iron Paint, ground in oil, purple	₩ lb 6c
Linseed Oil, raw	58c
Single Boiled	60c
Double "	62c
Mineral Paints	2@4c
Orange Mineral	10c
Red Lead, American	6½@7c
Red Venetian, (Eng.) dry	$1.50 to $1.75
Red Venetian, in oil..... asst'd cans, 9c; kegs, 6c	
Red Indian, dry	8@12c
Rose Pink	10@13c
Sienna, American, raw	4c
Sienna, burnt	4½c
Sienna, burnt, in oil	8@11c
Sienna, raw	8@15c
Umber, burnt	4@7c
Umber, burnt, in oil	8@15c
Umber, raw	3½@7½c
Umber, raw, in oil	8@15c
Vermilion, Chinese	90c
Vermilion, English	50@55c
Vermilion, American, common	15c
White Lead, American, pure dry	6@6½c
White Lead, American, pure in oil	6@6½c
White, Paris, English, prime ..... in bbls. 1½@2c	
Yellow Ochre, French	$1 75
Yellow Ochre, F'ch, in oil, asst'd cns, 9c; kegs, 6c	
Yellow Ochre, American ..... in bbls., 1½@1½c	
Yellow Chrome	8@18c
Yellow Chrome, in oil	9@12@18c
Zinc White, American, No. 1, dry	5@6c
Zinc White, American, No. 1, in oil	9c
Zinc White, French, (Paris) dry	9@12c
Zinc White, French in oil	10@14c
OILS.	
Bleached W. Sperm oil	1 18@1 20
Nat. " " "	1 13@1 15
B. W. Elephant oil	78@—
" Whale oil	73@ 75
Prime Lard oil	78@ 80
Extra No. 1 Lard oil	73@—
Lubricating oils	15@ 25
Miners' oil	57@ 55
W. Pressed Fish oil	50@ —
Neatsfoot oil	65@ 80
Steam-refined Cylinder oil	40@ 55
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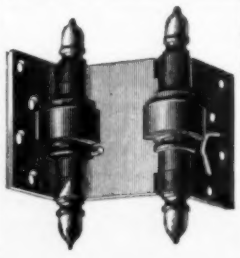

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IN REFERENCE TO THE PROPOSED

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—OF—

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ALABAMA.

LOCATION.

1st. Sheffield is located in Colbert county, Alabama, on the South bank of the Tennessee River, and at the head of navigation of said river. The bluffs upon which the city will be built are over 100 feet high, with occasional depressions, which furnish good drainage and first-class facilities for boat landings. The site for the city is beautiful beyond comparison.

2d. The country around for miles is a fertile agricultural region. The grasses, clover, grain and cotton growing to great perfection.

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South of the city site at a distance, almost continuously, at from 18 to 60 miles, the most extensive beds of coal and iron exist in quantities inexhaustible and of the finest quality.

3d. A broad-guage railroad is now being rapidly constructed from the centre of the city site through this great coal and iron field to Birmingham, Alabama.

4th. The sale of lots in the proposed City of Sheffield will begin on the 8th of May next, and lots will be sold at public auction to the highest bidder. Terms: one-fourth cash; balance, 1, 2 and 3 years, with 8 per cent. interest.

5th. A large force is now engaged laying off and grading the streets and avenues.

6th. Sheffield is a very desirable place for Wholesale Merchants to locate, because they will have water transportation from all points on the Tennessee and Mississippi Rivers and their tributaries, and will have railroads running South, East and West, over which to distribute their goods and wares.

7th. The Railroad Company owns a large per cent. of the City Company stock, and, as a matter of interest, will give merchants located there reasonable rates on all freight.

8th. It will be an especially favorable place for Retail Merchants, because there will be thousands of dollars paid out weekly by the City and Railroad Companies in prosecuting their enterprises, and by people who will be erecting buildings, furnaces, machine shops, &c.

9th. The shops of the Railroad will be located in the City.

10th. Arrangements are being made to build several large iron furnaces at once.

11th. Boats will carry pig iron to St. Louis at about $1 per ton. The present rates from Birmingham to St. Louis are about $3.55 per ton.

12th. Iron can be made as cheaply at Sheffield as at Birmingham.

13th. The health of the place is superb. No chills, fever or miasma exist there.

14th. The climate is good—being a medium between the extreme cold of the Northern States and extreme heat of the Southern States.

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16th. A Hotel Company is now being organized with a large capital to erect a first-class Hotel at Sheffield.

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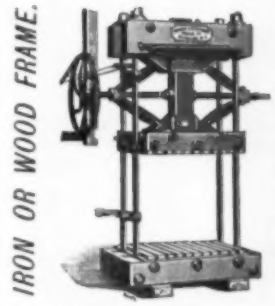

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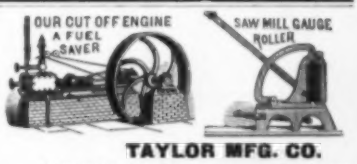

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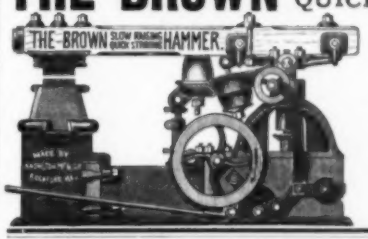

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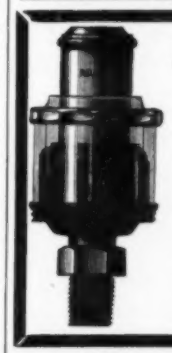

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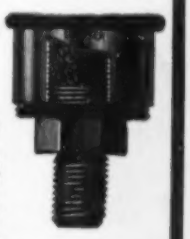

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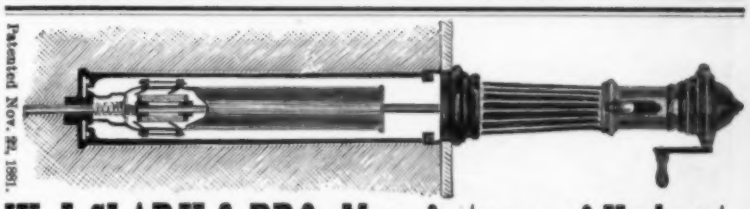

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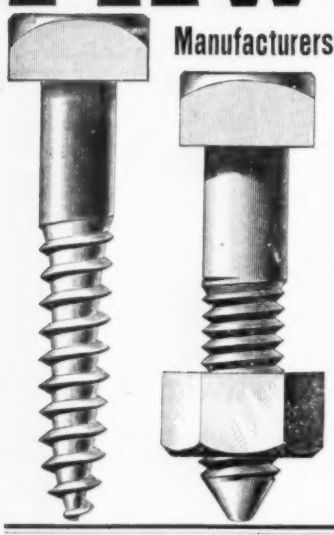

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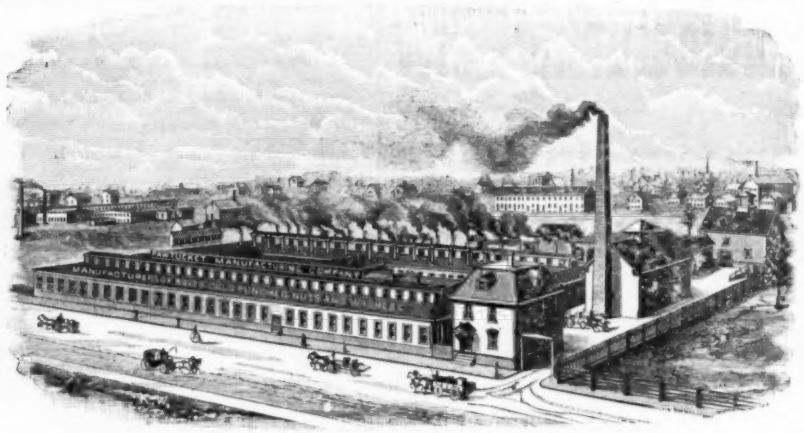

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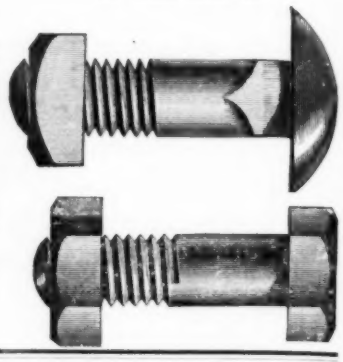

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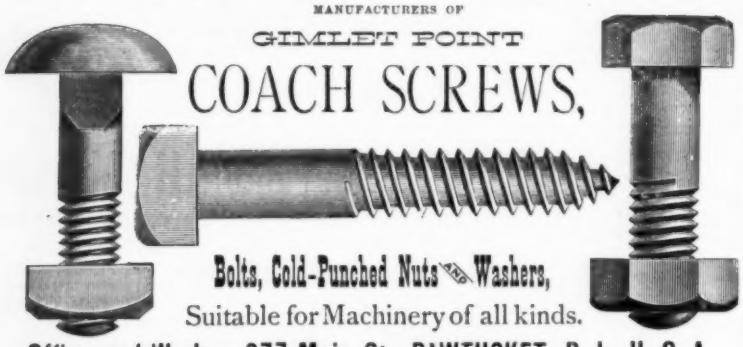

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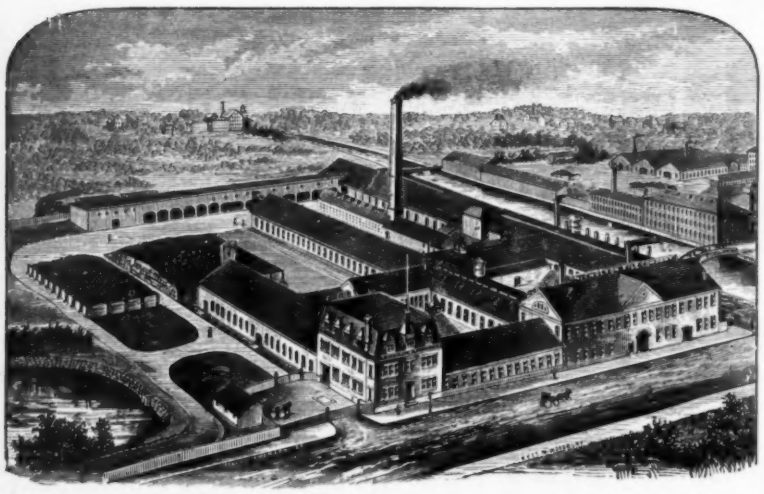

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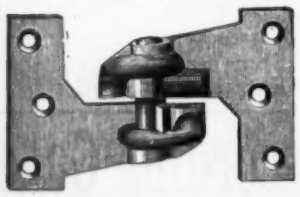

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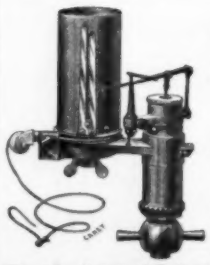

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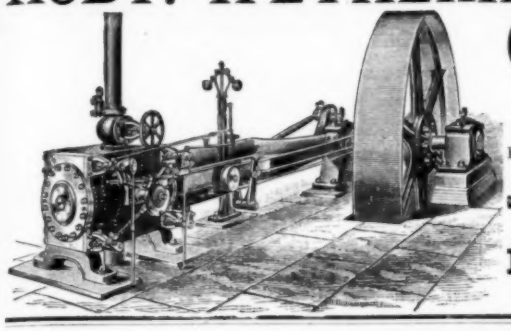

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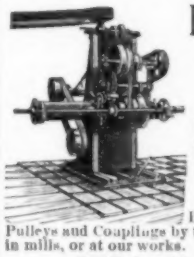

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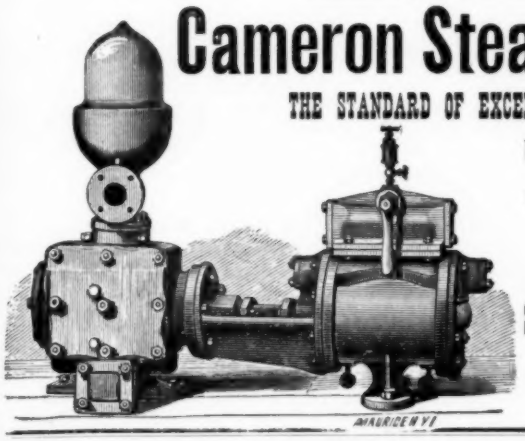

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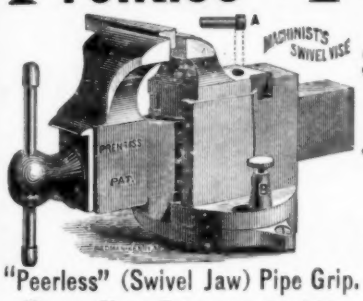

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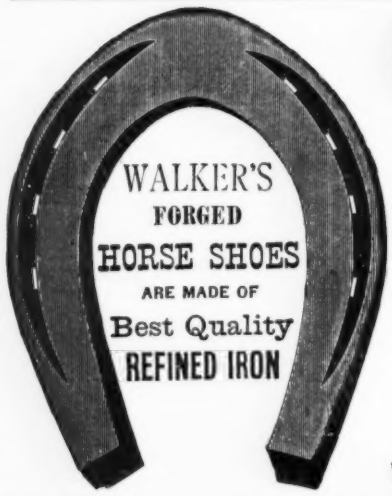
Payson Mnfg. Co.—Building Hardware.
Patton Mnfg. Co.—Enameled and Tin'd Hollow Ware.
Roy & Co.—Strap and T Hinges and Wrought Butts.
Saranac Horse Nail Co.
Scott Mnfg. Co.—Peach and Apple Parers, etc.
George M. Scott.—Blacksmith Bellows.
Wilson Mnfg. Co.—Coffee Mills, Vises and Ship Hardware.
Walker's Horse and Mule Shoes.
International and Pimlico Brand of Horse Nails, Foreign and Domestic Hardware, Cutlery, Chains, Pistols, etc.



Walker Horse Shoe Co., Baltimore, Md.

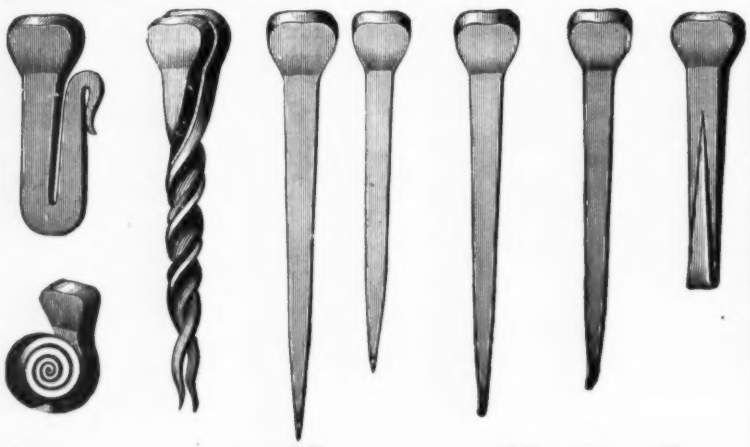
Of Superior Shape and Finish.

CLEAN CREASE OF PROPER WIDTH AND DEPTH. Nail Holes Punched Through at Proper Angles.

Free from Burs. Outside Edges Smooth and Free from Bulges. Popular with all Shoers, as they are easily fitted. *EVERY SHOE WARRANTED.* ALSO,

MULE SHOES,

Of Superior Pattern, Quality and Shape. Sole Patentees and Manufacturers.



Saranac Horse Nail Co.

PLATTSBURGH, N. Y.

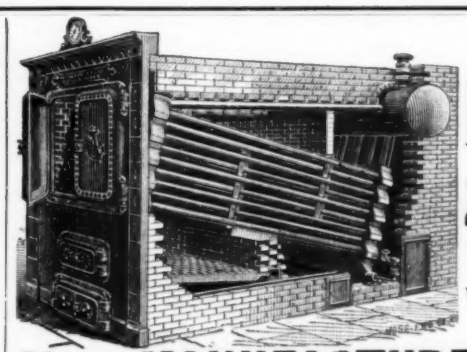
A. WILLIAMS, Prest. and Treas. S. F. VILAS, Vice-Prest. W. S GUIBORD, Sec'y.

The cuts illustrating this advertisement are of Nails twisted and bent when cold.

AGENTS:

ELY & WILLIAMS, - - PHILADELPHIA AND NEW YORK.
S. H. & E. Y. MOORE, - - - - - - - CHICAGO.
SLIGO IRON STORE CO., - - - - - - ST. LOUIS.
S. G. B. COOK & CO., - - - - - - BALTIMORE.

CORRESPONDENCE SOLICITED.



SAFETY WATER-TUBE

Boiler Works

Zell & Burton,

Manufacturers under the Zell Patents.

We make a specialty of contracting for the erection of Engine and Boiler Plants.

Also, MANUFACTURERS' AGENTS

FOR THE

BUCKEYE AUTOMATIC ENGINES.
ZELL Retort FURNACES for Steam Boilers.
CONDENSERS, HEATERS, PUMPS, &c.

Office and Works, No. 42 N. HOLLIDAY STREET, BALTIMORE, MD.

Remington Standard Type-Writer

THE STANDARD WRITING MACHINE OF THE WORLD.

It much more than takes the place of the pen, as it does the work of two or three penmen, and much more neatly and legibly. The business man will appreciate this saving of valuable time. Dictate your correspondence, etc., to a Type-Writer operator and have your time and strength for other matters. (Perfect press copies obtained in same way as of pen writing.)

Again the Type-Writer is well-nigh indispensable to overworked professional men. It is a complete relief from the strain of pen-writing.

Lawyers have their papers written with the Type-Writer. Many copies can be made at one time, (absolute duplicates) thus multiplying speed.

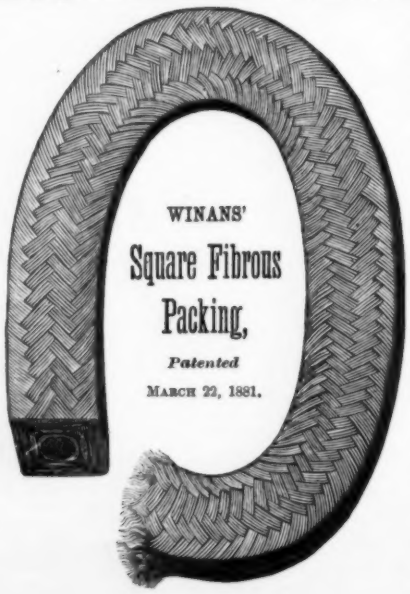
Clergymen write their sermons with the Type-Writer, and hence can read them in a dim light.

Authors, journalists and others compose directly on the machine. It facilitates composition, as the manipulation becomes purely mechanical, and owing to its greater speed the mind does not lose its freshest and best thoughts, as when waiting for the slow pen to catch up. In use throughout the world. Perfect satisfaction guaranteed. Send for illustrated pamphlet, with testimonials.

WYCKOFF, SEAMANS & BENEDICT, 281 and 283 Broadway, New York.

Winans' Packing Mfg. Co.

SOLE MANUFACTURERS.



408 BLEECKER ST.,
NEW YORK.

Samples and Circulars sent by mail on application.

White Mountain Freezer Co.

MANUFACTURERS OF

SANDS' PATENT TRIPLE MOTION

White Mountain Ice-Cream Freezer.

The only Freezer ever made having three distinct motions, thereby producing finer, smoother Cream than any other Freezer on the market. Acknowledged by every one to be the best in the world. Over 300,000 in use to-day. Outside irons galvanized, but all inside the can coated with Pure Block Tin. Tubs water-proof, machinery easily adjusted and operated. We also carry large stock of Packing Tubs, Packing Cans, Ice Crushers, &c. Send for Price List and Trade Discounts.

—Address—

White Mountain Freezer Co.

102 E. HOLLIS ST., NASHUA, N. H.

HARDWARE.

Baltimore WHOLESALE Prices.

ANVILS.

Eagle and Vulcan.....₩ lb 10c, dis 20 %
Wright's.....10½c
Armitage's Mouse Hole.....9½ c
Trenton.....10¾c
Wilkinson's.....10½c

AUGERS AND BITS.

Conn. Valley Mfg. Co.....
Douglass Mfg. Co.....
Ives.....
} dis 60 % from list of Jan. 7, 1880.
Cook's Douglass Mfg. o.....dis 40&10 %
Griswold.....dis 50&10 %
Patent solid Head.....dis 25 %
Russell Jennings' Auger. Dowel. Machine-Dowel and Hand Rail Bits.....dis 10&10&10 %
Ives' "Jennings'" Bits.....dis 40&10&10 %
Expans. Bits, Clark's, small, $18; large, 26..dis 25 %
Expansive Bits, Ives'.....$20@30, dis 33⅓ %
Expansive Bits, Blake's.....$20, dis 40 %
Hollow Augers, Ives.....dis 25 %
Hollow Augers, Douglass'.....dis 25 %
Hol. Aug., Bonney's Adjust., ₩ doz $48, dis 25&10 %
Hol. Aug., Stearns' Adjust., ₩ doz $48, dis 20&10 %
Hol. Aug., Ives' Expansive, each 4.50, dis 30&10 %
Hol. Aug., Universal Expansive, each $4.50, dis 20 %
Wood's.....dis 25 %
Gimlet Bits.....$7.50 ₩ gross, dis 50 %
Gimlet Bits, Diamond.....₩ doz $1.25, dis 40 %
Double Cut Gimlet Bits, Shephardson's...dis 40 %
Double Cut Gimlet Bits, Douglass'.. ...dis 33⅓ %
Double Cut Gimlet Bits, Ives'.....dis 50 %
Morse's Bit Stock Drill.....dis 25 %
L'Hommedieu's Ship Augers.....dis 15 %

AWL HAFTS.

Sewing Brass Ferrule..$3.50 ₩ gross—dis 40&10 %
Patent Sewing, Short....$10 ₩ gross—dis 40&10 %
Patent Sewing, Long.....$1.20 ₩ doz. net
Patent Peg, Plain Top...$10 ₩ gross—dis 40&10 %
Patent Peg, Leather Top.$12 ₩ gross—dis 40&10 %

AWLS, BRAD SETS, &c.

Awls, Sewing, Common.....75c. to $1
Awls, Shouldered Peg.....75c. to $1
Awls, Patent Peg.....50c to $1.50
Awls, Shouldered Brad.₩ gross $2.70 - dis 25&10 %
Awls Handled Brad.....$7 ₩ gross - dis 25&10 %
Brad Sets, Aiken's.....₩ doz. $12—dis 45&10 %
Brad Sets, No. 42, $10.50; No. 43, $12 50....dis 70 %
Brad Sets, Stanley's Exc.' No. 1, $9.60.dis 30&10 %
Brad Sets, Stanley's Exc.' No. 2, $4.80.dis 30&10 %
Brad Sets, Stanley's Exc.' No. 3, $7.80.dis 30&10 %

AXES.

Collins & Co. .....$7.25; beveled..$7.75
Cohoes Mfg. Co.....$7 2 ; beveled..$7.75

Lippincott or Mann's.

Single Bit, 4½ to 5½ and under...₩ doz. $7.25 net
Single Bit, 4½ to 6 and over.....₩ doz. $7.75 net
Single Bit, beveled.....50c. doz. advance
Double Bit, 4½ to 5½ and under..₩ doz $12.00 net
Double Bit. 4½ to 6 and over....₩ doz. $13.00 net
Double Bit, beveled.....$1.00 ₩ doz. advance
Second quality Axes.....50 cts. less than above

AXLES.

Sheldon & Co., iron .... 55 % off
" " " steel..... 55 % off
AXLE GREASE—Frazer's.....₩ lb., 6c.

BALANCES.

Spring Balances.....dis 25&10 %

BELLS.

Hand, Light Brass.....dis 70 %
Hand, White Metal..... .....dis 60 %
Hand, Silver Chime.....dis 30&10 %
Hand, Globe (Cone's Patent).....dis 25&10 %
Gong, Abbe's .....dis 30&10 %
Gong, Yankee.....dis 30&10 %
Gong, Barton's.....dis 30&10 %
Leon Reading.....dis 25&10&10 %
Pull, Brook's.....dis 50&10 %
Crank, Taylor's..... dis 25&10 %
Lever, Sargent's..... ..... dis 55&10 %
Bloomfield.....dis 20 %
Lever, R. & E. M. Co.'s.....dis 45&10&2 %
Call .....dis 25 %
Cow, Common Wrought..... dis 55&10 %
Cow, Western, Sargent's List.....dis 55&10 %
Cow, Kentucky, Sargent's List..... dis 55&10 %
Cow, Moore's or Dodges, Genuine Ky., new list:
Nos. 0 1 1½ 2 3 5 5 6 Hog } dis.60&
$12 $10 $9 $8 $7 $4 $3.50 2.50 $5 } 10 %
Cow, Texas "Star".....dis 40 %

BELLOWS.

Blacksmiths' Common.....dis 50 %
Molders'..... .....dis 25 %
Hand Bellows.....dis 25 %

BLIND FASTENERS.

Francis .....dis 20 %
Mackrell's.....₩ doz pairs $1.00, dis 10 %
Van Sand's Screw Pattern.....$9 ₩ gross, net
Van Sand's Old Pattern..1¼, $8; 1½, 8.50 ₩ gro, net
Merriman's.....new list, net
Zimmerman's, 10¾ in.....₩ gross $26.00
Zimmerman's, 9 in.....₩ gross 24.00
Zimmerman's, without screws.....$5.00 less

BLIND STAPLES.

Barbed, ½ in. and larger.....₩ lb 11c net
Barbed, ⅜ in.....₩ lb 13c net

BLOCKS.

Penfield Block Co., Rope and Iron Strap'd..dis 35 %

BOLTS.

Cast Iron Barrel Shutter, &c.....dis 55&10 %
Cast Iron Chain (Sargent's list).....dis 60&10 %
Wrought Barrel.....dis 55&10 %
Wrought Square.....dis 55&10 %
Wrt. Shutter, all Iron, Stanley's list...dis 50&10 %
Wrt. Shutter.Brass Knob,Stanley's list dis 50&10 %
Wrought Shutter, Sargent's list.....dis 55&10 %
Wrought Sunk Flush, Sargent's...dis 65&10&10 %
Wrought Sunk Flush, Stanley's.....dis 40&10 %
Wrought B. K. Flush, Stanley's.....dis 50&10 %
Carriage and Tire, Common, new list.....dis 75 %
Carriage and Tire, Philadelphia Pattern. dis 50 %
Carriage Bolts, Clarke's.....dis 80 %
Carriage Bolts, Lancaster Bolt Co..
Excelsior, Low List.....dis 60&10&10 %
Norway.....dis 75 %
R. B. & W. Carriage (old list).....dis 65 %
Tire, American Screw Co.'s, Phila.....dis 75 %
Tire, "Bay State".. ....dis 65%, new list
Eagle Philadelphia Tire Bolt.....80%
Stove.....dis 60%
Plow.....dis 50&10 %
Machine.....dis 70 %
Bolt Ends and Lag Screws.....dis 70 %

BORAX.

16c ₩ lb net.

BORING MACHINES.

	Upright.	Angular.	
First quality, no Augers..	$5.50	$5.75.	dis 40 %
Phillips, with Augers.....	7.00	7.50.....	net

BRACES.

Q. S. Backus.....dis 50 %
Barber's.....dis 40&5 %
Spoffard's Patent..... .dis 50&5 %
Ives' Patent Braces.....dis 50 %
Common Ball (American).....dis 55 %
Amidon's.....dis 50 %

BORING MACHINES—WITHOUT AUGERS.

Sweet & Clark upright, 3.60 angular.....4.40 net
Lawrence " 3.00 " .....3.50 net
Hubbard " 3.00 " ..... 3.50 net

BRACKETS.

Shelf, plain.....dis 50&10 %
Shelf, fancy.....dis 55&10 %

BRIGHT WIRE GOODS.

New list ... .dis 70&10 %

BULL RINGS.

Union Nut Co..... .....dis 55 %
Sargent's.....dis 60&10 %
Humason, Beckley & Co.'s.. ..... .dis 60&10 %

BUTTS.

Wrought Brass .....dis 75 %
Cast Brass, Fast Joint.....dis 30&10 %
Cast Brass, Loose Joint.....dis 10&10 %
Fast Joint, Narrow.....dis 45&10&10 %
Fast Joint, Broad.....dis 45&10&10 %
Loose Joint... .....dis 60&10&10 %
Loose Joint, Japanned.....dis 60&10&10 %
Loose Joint, Jap, with Acorns ...dis 60&10&10 %
Parliament Butts.....dis 60&10&10 %
Mayer's Hinges.....dis 60&10&10 %
Loose Pin, no Acorn.....dis 60&10&10 %
Loose Pin, Acorns.....dis 60&10&10 %
Loose Pin, Acorns, Japanned.....dis 60&10&10 %
Loose Pin, Acorns, Jap'd, Plated Tips.....dis 60&10&10 %

Wrought Iron.

Fast Joint, Narrow.....dis 50&10&10&5 %
Fast Joint, Lt. Narrow.....dis 50&10&10&5 %
Fast Joint, Broad..... .....dis 50&10&10&5 %
Loose Joint, Broad.....dis 55&10&10&5 %
Table Butts, Back Flaps, &c...dis 50&10&10&5 %
Inside Blind, Regular.....dis 50&10&10&5 %
Inside Blind, Light.....dis 50&10&10&5 %
Loose Pin, Wrt.....dis 55&10&10&5 %
Loose Pin. Light.....dis 50&10&10&5 %
Spring Hinges—
Geer's Spring and Blank Butts.....dis 25 %
Clarke Hardware Co.'s.....dis 50&10 %
American Spring Hinge Co.'s.....dis 25 %
Gem Spring Hinges.....dis 25 %
Blind Butts, Shepard's, Nos. 50 and 60....dis 70 %
Blind Butts, Shepard's, No. 050 .....dis. 70&5 %
Blind Butts, Shepard's, No. 75 .....dis 70&10 %
Blind Butts, Lull & Porter.....dis 75 %
Blind Butts, Huffer.....dis 50 %
Blind Butts, Clark's, Nos. 1, 3, 5.....dis 70&10 %

BOW PINS.

Humason, Beckley & Co 's .....dis 55&5 %
Sargent & Co.'s.....$19.70 and 21.40, dis 66&10 %
Hotchkiss..... ....dis 25 %

BUTCHER'S CLEAVERS.

Humason & Beckley Mfg. Co.....dis 25 %
Bradley's..... .....dis 25 %
Beatty's..... .....dis 25&5 %

1	2	3	4	5	6	7	8
$16.50	19.00	21.50	24.00	27.00	30.00	33.50	36.50

CAN OP. NERS.

American .....₩ gross $7.50, dis 10 %
New Idea.....$15 00 gross
No. 4, French. .....₩ doz $2.25, dis 55 %
No. 5, Iron Handle.....₩ gross $7.50, dis 10 %
Sardine Scissors.....₩ doz $7.00, dis 55 %
Sprague, No. 1, $2; No. 2, 2 25; No 3, 2 50.dis 50&10 %
Universal .....₩ doz $3.00, dis 33⅓ %

CAPS, PERCUSSION, ₩ 1,000.

U. M. C., F C. trimmed.....50c } dis 10&10 %
U. M. C., F. L ground.....70c }
U. M. C., Cen fire ground .....70c } dis 10&5 %
U. M. C., Double W. Proof .....$1.40 }
G. D. & S. B.....33c, dis 10 %
E. B. 1-10, Eley's.....65c
Musket, in 1-10's.....55c
Hicks Ground Edge in Bra s Boxes.....55c

CARTRIDGES.

Rim .... dis 50@10 %
Central Fire, pistol size .... dis 33⅓ %
" " Military.....dis 25 %
B. B. Caps, Round Balls.....1.75
" Swaged Conical.....1 90

NEW LIST ON CATRIDGES.

Rim-fire, 22, short.....	$ 5	long.....	$ 6 00
" 32, "	10	"	15 50
" 38, "	18	"	18 00
" 41, "	15	"	17 50

Central Fire—32, $11.00; 38, $13.50; 41, 15.00;44, $19.

CARDS.

Horse and Curry, new list, July, 1881 . ...dis 10 %
Cotton, new list, July, 1881..... ...dis 10 %
Wool, new list. July, 1881..... ...dis 10 %

CARPET STRETCHERS.

Cast Steel, Polished.....₩ doz $5 00, dis 30 %
Cast Iron, Steel Points.....₩ doz $2 00, dis 50 %
Bullard's.....dis 25 %

CARTERS.

Bed..... .....dis 47½&10 %
Plate and Shallow Socket.....dis 47½&10 %
Deep Socket..... .....dis 25&10 %
Martin's Patent (Phœnix)..... .....dis 25 %

CATTLE LEADERS.

Humason, Beckley & Co.'s.....dis 60&10 %
Sargent's..... .....dis 60&10 %
P. S. & W.....dis 25&10 %

CHAIN.

German Halter and coil Chain.....dis 50&10 %
Trace, Breast and Fancy.....dis 45&5 %
Oneida Halter Chain (old list). .....dis 45&5 %
Galvanized Pump Chain..... .....₩ lb 8c net
Jack Chain, Iron.....dis 60&10 %
Jack Chain, Brass.....dis 50&10 %

CHALK.

White..... .....₩ gross 60c net
Red..... .....₩ gross 85c net
Blue..... .....₩ gross $1.00 net
White Crayons.....₩ gross 9c net

COTTON LINES.

Cotton Fish Lines.....dis 33⅓ %
Cotton Chalk Lines, 20 feet:

Nos. 11.	13,	15,	17,	20,	"
$3.20,	3.60,	4.00,	4.50,	5.25.	"

CHISELS.

Socket Framing, Crossman..... dis 65&5 %
Socket Framing, P. S. & W .....dis 70&10 %
Socket Framing, Douglass'.....dis 70&10 %
Socket Firmers, Crossman..... dis 65&5 %
Socket Firmers. Ohio Tool Co..... dis 60&10 %
Socket Firmers, Douglass'.....dis 70&10 %
Socket Corner... .....dis 70&10 %
Tanged Firmers.....dis 40&45 %
Tanged Firmers, Butcher's.....$5.00@$5.25 to £
I. Merrill's Socket and Framing Chisel....65&10 %

CLAMPS.

Iron, Screw, Eagle..... .....dis 50 %
Iron, Adjustable, Stearns'..... dis 20&10 %
Iron, Cabinet, Sargent's..... .....dis 65&10 %
Iron, Carriage makers', Carr & Crawley..dis 25 %

CLIPS, AXLE.

Norway or Best.....dis 60&5 %
Superior.....dis 45&5 %
Conestogo.....dis. 60&10
Coal Hods—Griffiths'.....dis 40 %

COCKS, BRASS.

Racking, new list, July 10, 1880.....dis 50&10 %
Globe, new list, July 10, 1880.....dis 50&10 %
Plain Bibbs, new list, July 10, 1880....dis 50&10 %
Ale and Beer, new list, July 10, 1880...dis 50&10 %

COFFEE MILLS.

Parkers'.....dis 45 %
Wilson's.....dis 50 %
Logan & Strobridge ....dis 45 %
Enterprise Mfg. Co.....dis 25 %

COMPASSES, DIVIDERS, &c.

Compasses.....dis 55 %
Calipers.....dis 55 %
Dividers.....dis 55 %
Cook's Pencil.....dis 10 %

COOPERS' TOOLS.

Bradley's.....dis 15@20 %
Barton's.....dis 20 %

CROW BARS.

Cast Steel .....₩ lb 6 c
Iron, Steel Points.....₩ lb 4 c

CURLING IRONS, &c.

½, ⅝, ¾ in., $1.80, 2.00, 2.40.....dis 10 %
Curling Tongs.....₩ doz $3.65, dis 10 %
Pinching Irons.....₩ doz $7 50, dis 20 %

CURRY COMBS.

Fitch's new list.....dis 50 %
Hotchkiss, Novelty, new list, July, 1880..dis 25 %
Hotchkiss, Exclr. Supr. Champion.....dis 25 %
Lawrence "Perfect".....dis 25&10 %
Rubber..... .....₩ doz $10.00, dis 25 %
Sweet & Clarke..... .....dis 50 %
Lusters.....25 %

CURTAIN PINS.

Silvered Glass.....net
White Enamel.....net

CUTLERY.

Association (Table).....net
Naugatuck Cutlery Co.....list net
Excelsior Knife Co.....net
Wilson's Butcher and Shoe Knives.....dis 30 %
Ames' Shoe Knives.....dis 15 %
Wm. Rogers Manf. Co., Plated Cutlery.....Net

DOG COLLARS.

Embossed Gilt.....dis 20 %
Leather.....dis 25 %
Brass.....dis 25 %

DOOR SPRINGS.

Torrey's Rod, regular size, ₩ doz., $3..dis 40&10 %
Gem (Coil):
No. 1, Large Japanned.....₩ doz $4.00 }
No. 2, Medium Japanned..₩ doz 2.75 } dis 40 %
No. 3, Small, Japanned....₩ doz 2.00 }
No. 4, ("Shoo Fly") Screen door size, 1.50 }
No. 5, Screen door size.....2.00 } dis 50 %
No. 6, Medium.....2.75 }
No. 7, Large.....4.00 }
Standard—10 doz $1.35.....dis 50&10 %
9 doz 1 75 .....dis 50&10 %
8 doz 2.50.....dis 50& 0 %
6 doz 3.50.....dis 50&10 %
Hercules.. .....dis 5 &10 %

DRAWING KNIVES.

Ohio Tool Co. .....dis 60&10 %
Crossman's No. 1..... .....dis 65&5 %
Nobles Mfg. Co.....dis 15 %
Bradley's .....dis 35 %
Adjustable Handle.....dis 20 %
P. S. & W .....dis 70&10 %
Douglass.....dis 70&10 %

DRILLS AND DRILL STOCKS.

Blacksmiths'..... ...each, $2.50, dis 10 %
Blacksmiths' Self-Feeding....each, $7 50, dis 30 %
Breast, P. S. & W .....dis 20&10 %
Breast, Wilson's.....dis 20 %
Breast, Millers Falls.....each, $3.00, dis 25 %
Breast, Bartholomew's.....each, $2.50, dis 25&10 %
Wilson's Drill Stocks.....dis 10 %
Automatic Boring Tools.....each, $2.25, dis 20 %

EGG BEATERS.

Dover.....₩ doz. $2.50, dis 2 %
Medallion.....gross, $10.00
Victoria.....gross, $10.00

EMERY AND EMERY PAPER.

Regular numbers .....₩ lb 6c
Flour and F. F.....₩ lb 4c
B & A. Emery Paper.....dis 30&5 %

ENAMELED AND TINNED WARE.

Kettles.....dis 60&10 %
Sauce Pans.....dis 40 %
Tinned Sauce Pans..... .....dis 40 %
Escutcheon Pins—Brass.....dis 50 %

ESCUTCHEONS.

Door Lock.....Same discounts as Door Locks
Brass Thread.....dis 25 %
Wood.....dis 25 %

FAUCETS.

Fenn's.....dis 40 %
Fenn's Cork Stops.....dis 33⅓ %
Star .....dis 55&10 %
Frary's Patent Petroleum.....dis 20&10 %
West's Patent Key.....dis 45 %
Anchor Lock.....dis 45 %
Metallic Key, Leather Lined.....dis 60 %
Cork Lined.....dis 70 %
J. Sommer's Best Metallic Key.....dis 40 %
J. Sommer's Cork Lined, 1st quality.....dis 50 %

FILES.

E. M. Boynton's.....new list, dis 25 %
Western File Co.....dis 45 %
Butcher's.....$4.50 to £
Moss & Gamble.....$4.50 to £
H. Disston & Sons (new list).....dis 40 %
Heller Bros.' Horse Rasps.....dis 30&10 %
Nicholson.....dis 40&10 %
New American..... .....dis 40 %
Union File Co.....dis 45 %
Stubs, new list.....$7.50 to £, 25 % off

FLUTING MACHINES.

Knox, 4½-inch Rolls.....$3.50 each }
Knox, 6-inch Rolls.....$4.00 each } ....dis 25 %
Eagle, 3½-inch Roll.....$2.15, dis 35 %
Eagle, 5½-inch Roll..... 2.85, dis 35 %
Crown, 4½-in., $3.50; 6, $4.00; 8, $6.50 each....dis35 %
Crown Jewel.....6-in., $3.40 each.....dis 35 %
American, 5-in., $3; 6-in., $3.40; 7-in., $4.50 each.....dis 35 %
Domestic Fluter.....$1.50 each, net
Geneva Hand Fluter, White Metal, ₩ doz $12.....dis 25 %
Crown Hand Fluter, Nos. 1, $15; 2, $12.50; 3, $10.00 ₩ doz..... dis 25 %
Combined Fluter and Sad Iron, ₩ doz $15.00.dis 30 %

FORKS.

Lawson & Brenizer.....dis 50&10 %
Remington.....dis 50&10 %
Sheble & Fisher.....dis 50&10 %

FRY PANS.

Burnished list as follows.....dis 60&10&10 %

No	0	1	2	3	4	5	6	7	8
₩ doz..	$3.00	3.75	4.25	4.70	5.25	6.00	7.00	8.00	9.00

GAUGES.

Marking, Stanley's.....dis 50&10 %
Marking, Chapin's... .....dis 55&10 %
Wire.....dis 10&10 %
Wire, Disston's..... .....dis 20 %
Wire, Wheeler, Madden & Co.....dis 10 %

GIMLETS.

Nail and Spike.....dis 40 %
"Eureka" Gimlets.....dis 50 %
"Diamond" Gimlets.....dis 50 %
Double Cut. Shepardson's.....dis 50 %
Double Cut, Hartwell's..... .....dis 50 %
Double Cut, Ives'.....dis 50 %
Double Cut, Douglass'.....dis 33⅓ %
"Reel"..... .....₩ gro. $12.00, dis 25 %

GLUE POTS.

Tinned and Enameled.....dis 35 %
Family, Howe's "Eureka"..... .....dis 25 %
Family, L. F. & C.'s "Handy".....dis 30 %

GRINDSTONE FIXTURES.

Sargents Patent.....dis 70&10 %
Reading Hardware Co.....dis 25&10 %

GUN WADS.

Eley's B. E. wads, 11 upwards $1.75
" " " 9 and 10..... 2.00
" " " 7 " 8..... 2.25
" P. E. " 11 upwards..... 2.90
" " " 9 and 10..... 3.65
" " " 7 " 8..... 4.45

HAMMERS.

Maydole's..... .....dis 15 %
Magnetic Tack, Nos. 1, 2, 3, $1.36, 1.50 and 1.75..... dis 25&10 %
Warner & Noble's.....dis 5 %
Kip's or Selsor's.....dis 30 %
Yerkes & Plumb.....dis 15 %

HANDLES.—Door or Thumb Latches.

Nos.....	0	1	2	3	4	
Per doz..	$0.80	1.00	1.18	1.35	1.150	.....dis 55&10 %

Roggin's Latches.....₩ doz 25c. @ 40c. net
Bronze Iron Drop Latches.....₩ doz $0.90@1.10
Jap'd Store Door Handles—Nuts, $1.25; Plate, $2.00, no Plate, $1.10.....dis 10 %
Barn Door .....₩ doz $1.60, dis 10 %
Wrought Chest.....dis 65&10 %
Surface Chest.....dis 55& 0 %
Flush Chest.....dis 55&10 %
Lifting .....dis 50&10 %
Saw and Plane..... .....dis 40&10 %
Lippincott Cross-Cut Saw.....32c per pair
Hammer and Hatchet..... .....dis 20 %
Brad Awl.....₩ gross, $3.00, dis 20&10 %
Chisel, all kinds.....50&10 %
Auger, assorted, ₩ gross.....$4.50
Auger, large, ₩ gross..... 5.00
Patent Auger, Ives'.....dis 25 %
Patent Auger, Douglass'.....₩ set $1.25 net
Patent Auger, Swan's.....₩ set 1.00 net

HAMMOCK CHAIRS.

White Mountain, per doz.....$36.00
" " Finished in red, per doz..$42.00

HANGERS.

Barn Door, old patterns..... .....dis 60&10 %
Barn Door, New England.....dis 60&10 %
Climax (Anti-Friction).....dis 50 %
Warner's.....dis 20 %
Richard's.....dis 20 %

HATCHETS.

Shingling, Nos. 1 2 3.....₩ doz $7.25 $8.00 $8.75
Claw, Nos. 1 2 3.....₩ doz 7.75 8.50 9.25
Lathing, Nos. 1 2 3.....₩ doz 7.50 8.00 8.50
Hammond's, new list.....dis 45 %
Blood's.....dis 35 %
Hunt's.....dis 30 %
Russel's, low list..... .....dis 40 %
Cohoes Bench Broad Adzes..... .....40 %

HAY KNIVES.

"Lightning".....₩ doz. $30.00 net 5 %
Wadsworth's..... .....dis 30 %

HINGES

Plate Hinges } 8,10&12 in..... 5½c. ₩ lb.
"Providence" } over 12 in..... 4½c. ₩ lb.
Screw Hook } 8, 10, 12 in..... 4 c. ₩ lb.
and Strap. } 14 to 36 in..... 3 c. ₩ lb.
Heavy Welded Hook } 8@12 in. $7.50 ₩ 100 lb. } dis
14 in. & up, $6 ₩ 100 lb. } 20 %
Screw Hook and Eye... { ⅜ & 1 in.....9c. } dis
⅜ in.....9c. } 20 %
⅜ in.....10c. }
½ in.....12c. }
Wrought Strap & T list. Dec.20, '77, dis 60&10 &10 %

HOES.

Planters.....60&5 %
Riveted Shank.....₩ doz. $5.00, dis 50&10 %
Socket.....₩ doz. $5.25, dis 50&10 %
Grub.....dis 50 %
Hick's Pat. Solid C. S. Planters'.....dis 60&10 %
Hick's Pat. Solid C. S. Scovill Pattern..dis 60&5 %
Hubbard, Bakewell & Co .....dis 50&10 %

HORSE NAILS.

Au able: Nos. 5 6 7 8 9 10

Plain, ₩ lb....	30c	27c	25c	24c	23c	22c.dis 20&10 %
Finish'd ₩ lb .	31c	28c	26c	25c	24c	23c.dis 20&10 %
Clint'n, P'n, " ..		23c	21c	20c	19c	18c dis 20&10 %
Clint'n, Fin'd " ...		34c	22c	21c	20c	19c.dis 20&10 %
Essex, ₩ lb.....	31c	28c	26c	25c	24c	23c.....dis 30 %
Putnam "	27c	24c	22c	21c	20c	19c..dis 5&10 %
Saranac " ...	29c	23c	21c	20c	19c	18c.....dis 20 %
Globe, "	26c	23c	21c	20c	19c	18c .dis 10&5 %
N'thw'n "	28c	25c	23c	22c	21c	20c.dis 10&10 %

Ch'mpl'in

Forged ₩ lb...	30c	27c	25c	24c	23c	22c.dis 25&10 %
A. C., ₩ lb....	28	25	23	22	21	21 .dis 10, 10& 5 %
C. B. } K. }	28c	25c	23c	22c	21c	21c dis 10& 5 %

Bridgewater....	24c	2 c	19c	18c	17c	16c.dis 25& 5 %
New Haven....	33c	3c	28c	27c	26c	2 c dis 3 &10 %
Capewell..	31c	26c	26c	25c	24c	23c.dis 20&10 %

HORSE SHOES.

Burden..... .....₩ keg $3 87½
R. I. Horse Shoe Co , Perkins' Improved, Light, Medium and Heavy.₩ keg $3.87½
Mule Shoes.....₩ keg $4.87½
Walker's—Forged: (Light, Medium and Heavy.)
Horse.....₩ keg $3.87½
Mule... .....₩ keg $4.87½
Keystone Solid Calk Steel Horse.....$3.87½ 5 %
" " " " Mule.....$4.87½ 5 %

HORSE POKES.

Excelsior.....$8 ₩ doz.
Akron.....$3 ₩ doz.
Ox Shoes—Mt. Carmel Ox Shoes.....10 cts. ₩ lb.

ICE CREAM FREEZERS.

Peerless—3 quart, $4.50; 4 quart, $5.50; 6 quart, $7; 8 quart, $9; 10 quart, $12. The Gooch Patent "Giant"—14 quart, $20; 18 quart, $25; 21 quart, $30; 25 quart, $35; 32 quart, $40; 42 quart, $45. Discount 50%.

KNOBS.

Carriage (Jap'd 80c ₩ gross).....dis 60&10
Base—Common.....dis 30&10 %
Hemacite Door Knobs.....new list, dis 35&5 %
Door Mineral... }
Door Por. Jap'd.. } Same discounts as Door Locks
Door Por. Plated }
Door Por..... }
Furniture Plain.....75c gross inch, dis 10 %
Furniture, Wood Screws.....dis 30 %
Picture..... .....dis 50&10
Hemacite, Picture.....dis 35 %
Shutter, Porcelain.....dis 30&10

LADLES.

Melting & Skim'ng, Monroe's Pat.₩ doz $4 dis 40 %
Melting, C & C..... ....dis 30&10 %

LAWN MOWERS.

Buckeye, Easy and Excelsior, new list...dis 30 %
LINE—Linen Fish.....dis 25&10 %
Wire Clothes, Galvanized, 100 feet....₩ doz. $3.00

LOCKS AND LATCHES.

Cabinet, Eagle..... }
Cabinet, Gaylord.... } Changes made in list price
Cabinet, Bridgeport. } of some numbers Jan. 1,
1881, dis 25&2 %
Cabinet, P. & F. Corbin.....dis 40 %
Trunk, new list, Jan 1, 1881.....dis 15&2 %
Yale Lock Co., Flat Key..... .....dis 40 %
Plate.....dis 33⅓&2 %

DOOR LOCKS, ETC.

Branford..... }
Norwalk..... }
Norwich..... .... } List prices as revised
P. & F. Corbin..... } Dec. 6th, 60&2 %
Russell & Erwin..... } for cash.
Mallory, Wheeler & Co.. }
Padlocks—Russell & Erwin..... }
Mallory, Wheeler & Co ..... } dis 45 %
Norwich Lock Manf. Co..... } and 2% for cash
Wm. Wilcox & Co..... }
Wm. Wilcox & Co.'s Plate Locks.....dis 33⅓
Yale Lock Manf. Co.'s "Standard".....dis 40 %
Romer's.....dis 35@40 %
Conestoga.....dis 75 %
Scandinavian, "Norwich".....dis 50&10 %

MALLETS.

Penfield Block Co., Apple, Hickory and Lignumvitæ.....dis 30 %

MEAT CUTTERS.

Dixon's (P. S. & W.) Nos. 1 2 3 4.
₩ doz $14 $17 $19 $30-dis 33 %
Perry's, Nos. 1 2 3 4 4 gr'd 5 gr'd
Each.....$3 4 5 11 13 36 dis 33 %

Woodruff's (P. S. & W.).....Nos. 100 150
₩ doz. $15 18-dis 35 %
Hales'.............Nos. 11 12 13
₩ doz..$27 35 45-dis 50&10&2 %
Kieser's No. 55..................$40 ₩ doz. dis 40 %
Kieser's Gem.............. ...... $25 ₩ doz. dis 40 %
Kieser's No. 82 ....$40 ₩ doz. dis 40 %
Kieser's Monarch..................$45 ₩ doz. dis 40 %
Beef Shaver, (Enterprise Manf Co)........dis 25 %

MOLASSES GATES.

Stebbins Patterns.......................dis 70&10 %
Stebbins Genuine.......................dis 67½&10 %
Stebbins Tinned Ends.............. ..dis 40&10 %
Chase's Hard Metal.....................dis 50&10 %
Self-Measuring. (Enterprise)...............dis 20 %
Lincoln's Pattern.......................dis 60&10 %
Weed's...dis 15 %
Boss Nos. 1 2 3 4
$7 8 9 10..₩ doz
Boss, Japanned Finish.............dis 60&10&10 %
Boss, Bronze Finish.................dis 50&10&10 %

NUTS AND WASHERS.

Square Nuts.................................8 c off list
Hexagon Nuts...............................8½c off list
Washers..................... ....7½c off list

OILERS.

Zinc and Tin..................... ....dis 60&10 %
Brass and Copper................ ....dis 50 %
Malleable (Hammer's).......... ₩ doz $5, dis 10 %
PINKING IRONS......................₩ doz 75c, net

PLAITING MACHINES.

Astor Plaiting Machine......... each $15, dis 20 %
Crown Plaiting Machines....................dis 25 %
6 in., $6; 10 in. $8 each.

PLANES AND PLANE IRONS.

Bench, First Quality........................dis 20 %
Bench, Second Quality......................dis 25 %
Molding...dis 15 %
Bailey's (Stanley R. & L. Co.) new list, Jan. 1879.............................. .....dis 20&10 %
The Stanley (S. R. & L. Co.) new list, January 1879...................... .....dis 20&10 %
Bailey's........................... .....dis 20&10 %
Plane Irons, Butcher's.......................$5.50 to £
Plane Irons, Auburn Tool Co...............dis 20 %
Plane Iron, Ohio Tool Co...................dis 20 %
Plane Irons, Sandusky Tool Co............cis 20 %

PLIERS AND NIPPERS.

Button's Patent.................. ......dis 33⅓ %
Hall's Pat. Compound Lever Cutting Nippers. No. 2, 5 in. $13.50; No. 4, 7 in., $21 ₩ doz.dis 25 %
Gas Pliers.......................................dis 50 %

PLUMBS AND LEVELS.

Disston's.......... ....dis 40 %
Stanley R. & L. Co.'s Pat. Adjustable..dis 65&10 %
Stanley R. & L. Co.'s Non-Adjustabl...dis 65&10 %
Chapin's Patent Adjustable.............dis 65&10 %
Chapin's Non-Adjustable.................dis 65&10 %
Standard Rule Co.'s New Adjustable..dis 65&10 %
Standard Rule Co.'s Non-Adjustable...dis 65&10 %
Pocket Levels...............................dis 65&10 %

RAIL.

Sliding Door, Wrought Brass...₩ lb 43c. dis 30 %
Sliding Door, Bronzed Wrt. Iron ₩ ft. 12c. dis 35 %
Sliding Door, Iron, Painted..₩ ft. 4c. dis 10&10 %
Barn Door....inch..........⅜ ⅝ ⅞
Per 100 feet..$2.60 3.60 5.60–dis 10 %
B. D. for N. E. Hangers—
Small Med. Large.
Per 100 feet..............$2.10 2.70 .30 net

RIVETS.

Iron and Tinned, new list, Dec. 10, 1881...dis 40 %
In bulk, new list, Dec. 10, 1881...... ......dis 40 %
Copper Rivets and Burrs....... ....dis 45 %
Nos.. 7 8 9 10 11 12 13 14 15
₩ lb..49c. 50c. 52c. 54c. 56c. 58c. 60c. 65c. 70c.
RIVET SETS................... ....dis 40 %

RODS.

Stair, Brass.......... ....dis 25 %
Stair, Black Walnut ....60c. ₩ doz.—nett

RULES.

	Boxwood.	Ivory.
Chapin's.......	dis 70&10 %	dis 40&10 %
Standard.............		
Stanley...		

Stevens & Co..........70 & 10%. Ivory........50%
Stevens & Co. Miscellaneous.............50 & 10%

SAD IRONS.

Self-Heating, Charcoal...........₩ doz. $9.00 net
Mrs. Pott's Irons........................ dis 35 %
Enterprise Star Irons, new list, July 20, '82.dis 35 %
Comb'd Fluter and Sad Iron. ₩ doz. $15.00, dis 15 %
Common Sad Irons.......................2¾c. ₩ lb.

SAND PAPER.

Baeder & Adamson's Flint, 00@1½ $4.50₩ r'm.
Baeder & Adamson's Flint, 2, 2½ &3, 5.00₩ r'm.
Beader & Adamson's Flint, Assort'd 4.75 ₩r'm.
Beader & Adamson's Star........... 3.75₩r'm.
Beader & Adamson's Emery ₩ r'm $6.50@11.50
} dis 35 %
J. Bartle's Sand, Flint and Emery Paper...30&5 %

SASH CORD.

Common..............................₩ lb. 14c. net
Patent......... ....₩ lb. 17c.@18c. net
Silver Braided Lake Hemp......₩ lb. 50c. dis 10 %
Silver Braid. Lake White Cotton.₩ lb. 50c. dis 10 %
Silver Braided Lake Drab Cotton.₩ lb. 55c. dis 10 %
Silver Lake Cable Laid, Bengall unbleached Hemp, 17 cts.................... ......dis 10 %
Russian Hemp, 19 cts....................dis 10 %
Italian Hemp, 34 cts ....dis 10 %

SASH WEIGHTS.

Solid Eyes, in 500-lb. lots and over. ₩ lb. 1¼c. net

SAUSAGE STUFFERS OR FILLERS.

Miles.........................₩ doz. $20, dis 25&5 %
Perry........₩ doz., No. 15; No. 0, $21,... dis 35 %
Enterprise Mfg Co.........................dis 25 %
Monarch.................. ....dis 40 %

SAWS.

Boynton's Lightning Cross Cuts, new list.dis 40 %
Boynton's Circular and Mill...............dis 40 %
Boynton's Ice.................................dis 25 %
Boynton's Lightning Hand, Panel and Rip.dis 25 %
Disston's Circular..........................dis 40 %
Disston's Mill........................... ......dis 40 %
Disston's Cross Cut.................. .....dis 40 %
Disston's Hand, Panel, Rip, &c...........dis 20 %
Hubbard, Bakewell & Co. Cir. Saws....dis 40&5 %
Hubbard, Bakewell & Co. Cross Cut........30c. ft.
Hubbard, Bakewell & Co., One-Man's, X Cut. dis 40&5 %
Hubbard, Bakewell & Co., Mill Saws..dis 40&5 %
Peace Circular and Mill.....................dis 40 %
Peace Hand, Panel and Rip.................dis 25 %
Peace Cross Cuts...........................dis 35 %
Peace Band Saws, all widths ....dis 10 %
Webster Cross Cut, with Handles.dis 25&10&10 %
Griffin's Hack Saws and Blades ....30 %

SAW FRAMES.

White..........................₩ doz $1.05, dis 10 %
Saw Rods......................$10 list, dis 10&10 %

SAW SETS.

Stillman's Genuine,₩ doz. $3.50 and $5.50, dis 10 %
Stillman's Imitation.....₩ doz. $3.25, dis 30&10 %
Common Lever...........₩ doz. $2.00, dis 30&10 %
Leach's............No. 0, $8.00; No. 1 $15; dis 15 %
Hammer, Hotchkiss.....................$5.50, dis 10 %
Aiken's Genuine....................$13.00, dis 50&10 %
Aiken's Imitation........................$7.00, dis 50 %
Disston's................... ....dis 20 %
Morrill's........No. 1, $15; No. 5, $52, dis 35&10 %

SCALES.

Hatch, Counter, No. 171..₩ doz. $42, dis 37½&10 %
Hatch, Tea, No. 161....₩ doz. $15.00, dis 37½&10 %
Union Platform, Keystone.............$6, dis 45 %
Chicago Scale Co.......................Special dis
Fairbanks'..................................dis 20 %
Forsyth Scale Co...........................dis 45 %
Howe's................................dis 20&10 %
Chatillon's Grocers'.................. ...dis 40 %
Chatillon's Eureka........................dis 25 %
Family Universal ....dis 50 %
Family Favorite............................dis 30 %
Family Turnbull's..........................dis 30 %
Scale Beams, List of Jan. 12, 1882..........dis 50 %

SCRAPERS.

Adjust. Box Scraper(S.R.&L.Co.)$6 50,dis 20&10 %
Box, 1 Handle...................₩ doz. $4, dis 10 %
Box, 2 Handle...................₩ doz. $6, dis 10 %
Foot ....dis 45&10 %
Ship, common ....₩ doz. $3, net
Wilson Mfg Co ....dis 10 %

SCREW DRIVERS.

Douglas Mfg Co.........................dis 20&10 %
Disston's.......................................dis 40 %
Cowles Mfg Co.....................dis 50&10&10 %
Stanley Rule & Level Co.'s Var. Hdls.dis 50&10 %
Stanley Rule & Level Co.'s Bl'k Hdls.dis 40&10 %
Ratchet...................................dis 33⅓ %
Clark's Patent.................................dis 25 %
Shepardson..25 %

SCREWS.

Flat H'd Iron, list Dec. 27, '82................dis 70 %
Round Head Iron............................dis 50 %
Flat Head Brass.. ....dis 60 %
Round Head Brass........................ dis 15 %
Flat Head Blued add 2½ % to net of invoice.
Brass and Silver Capped....................dis 40 %
Japanned, list of Plain Screws........ ...dis 20 %
Coach, Patent Gimlet Point............ ..60&10 %
Coach, Common or Lag.................60&10&10 %
Bed..dis 10 %
Machine, Flat Head, Iron...................dis 55 %
Machine, Round Head, Iron.................dis 50 %
Bench, Iron...............................dis 50&10 %
Bench, Wood, Beech.........₩ doz. $3 00, dis 10 %
Bench, Wood, Hickory....................dis 20&10 %
Hand, Wood..............................dis 20&10 %
Hand Rail, Sargent's.....................dis 60&10 %
Hand Rail, Humason, Beckley & Co.'s.dis 40&10 %
Hand Rail, Am. Screw Co., list Jan 1, '81....dis 70 %
Jack (Wilson's)...............................dis 25 %

SCREEN FRAMES AND FIXTURES.

Standard Window Screens No. 1, ₩ doz. $4; 2, $5
" Door " No. 5, $15; dis 40&10 %
" Window Corner Irons, No. 3, doz. s'ts, $2
" Door " " No. 6, " " $3
dis 40&10 %
" Door Latches, ₩ dozen, $3.60; dis 50 %

Porter's Patent Window and Door Screen Frames:

PER DOZ. SETS.	In White.	Im. Bl'k Walnut.	
No. 20	$2.75	$3.25	dis. 33⅓ %
No. 21	3.25	4.00	
No. 22	5.50	6.75	
No. 23	6.00	7.50	
No. 30	9.00	11.00	

Porter's Corners—
No. 0. Corners and Sticks complete for a three-foot window, ₩ doz. sets..........$4
No. 1. Set for Window, ₩ doz. sets, Bronzed, $2.40; Nickel, $5.62
No. 1½. " " ₩ doz. sets, Bronzed, $3.25; Nickel, $7.50
No. 4. " " ₩ doz. sets, Bronzed, $4.00; Nickel, $8.00
No. ½. " " or Door, ₩ doz. sets, Bronzed, $1.20; Nickel, $3.00
No. 4½. " " or Door, ₩ doz. sets, Bronzed, $2.00; Nickel, $4.00
No. 2½. " Door, ₩ doz. sets, Bronzed, $6.75; Nickel, $17.00
No. 3. " " ₩ doz. sets, Bronzed, $12.00; Nickel, $24.00
} dis. 33⅓ %

SHEARS AND SCISSORS.

American (Cast) Iron....................dis 70&10 %
Pruning............see Pruning Hooks and Shears
Barnard's Lamp Trimmers............₩ doz. $4 00
Tinners'.......................................dis 15 %
Conn Shears.................................dis 80 %
Norfolk Shear Co.......... ....dis 75 %
Jersey Shears.......................................80 %
J. Wiss & Son, Nickle, 50&5%; Japanned, 60&5 %

SHEAVES.

Sliding Door, M. W. & Co., list ....dis 45&2 %
Sliding Door, R. & E. list..........dis 60&10&2 %
Sliding Door, Patent Roller........dis 60&10&2 %
Sliding Door, Pt. Roller, Hatfield's.dis 60&10&2 %
Sliding Door, Russell's Anti-Frict'n.dis 60&10&2 %
Also see Hangers.

SHOVELS AND SPADES.

Ames, New List, July 1, 1881 ....dis 15 %
Griffiths.................................dis 50&5 %
Remington's (Lowman's Patent)...........dis 30 %
Rowland's.....................................dis 60 %
Kimball's...35 %
Lippincott, new list................................20 %
Hussey, Bins & Co.................................15 %

SHUTTER HINGES.

Clark's Improved Shutter Hinge, Nos. 0, 1, 1½, 2, 2½, 3 ....dis 75 %
Iron and Brass Head, R. & E List. dis 60&10&2 %
Polished Steel, New List. ....dis 50&10&2 %

SLEIGH BELLS.

Arctic and Polar.......................... ..dis 30 %
Loose and neck and body strap. ....dis 50 %

SPOKE TRIMMERS.

Bonney's............ ....₩ doz. $10, dis 40&5 %
Stearns'.....................₩ doz. $9, dis 20&10 %
Ives'... .No. 1, $15; No. 2, $12 ₩ doz., dis 55&10 %
Douglass'......................₩ doz., $9, dis 15 %

SILVER-PLATED WARE.

Wm. Rogers Manf. Co.................dis 50, 5&5 %
Holmes, Booth & Hayden...........dis 40&10&5 %
Brown Bros..........................dis 40&10&5 %
Wallace's Steel Silver Plated..............33⅓&10 %
Rogers Bros 1847 ....50 %
C. Rogers & Bro............................40, 10&5 %

SILVER PLATED HOLLOW WARE.

Wm. Rogers Manf. Co...............dis 40, 15&5 %
Meriden Britannia Co..............................33⅓ %

SPOONS.

Britannia..............................dis 60&10 %
Tinned, Iron, Table and Tea..........................65 %
Tinned Iron Basting....................................65 %
German Silver.......................... ....dis 40 %

STONE.

Hindostan No. 1, 5c.; Axe, 8c.........................net
Sand Stone..................₩ lb. 6c., dis 33⅓&10 %
Washita Stone................No. 1, ₩ lb., 18c. net
Washita Stone, Slips..........No. 1, ₩ lb. 45c. net.
Arkansas ....$1.50 ₩ lb. net

SQUARES.

Steel.........dis 50 %; full cases, dis 50&10 %
Iron..........dis 50 %; full cases, dis 50&10 %
Nickel Plated......add $2.50@4 ₩ doz., net.
} 5 % cash.
Try Square and T Bevels................dis 50&10 %
Disston's Try Square and T Bevels........dis 40 %

VISES.

Solid Box—Wilson's...............................dis 50 %
" Trenton.............................dis 45 %
" Iron City Tool Works........dis 50 %
Bench—Wilson's......................................dis 45 %
" Trenton......... ....dis 25 %
" Parker's...............................dis 20 %
" Prentiss.... ....dis 25 %
" Bonney's..............................dis 35 %
Well Wheels...............................dis 60&10&10 %

WIRE.

Brass and Copper, list of Jan. 17, 1884..........15%
Bright and Annealed......Nos. 0@18, dis 50 &10%
Bright and Annealed.....Nos. 19@26, dis 60 &10%
Bright and Annealed..........Nos. 27@36, dis 70%
Coppered......................Nos. 0@18, dis 50 %
Galvanized, Nos. 0 to 18 .....market list dis 40 %
Tinned, Nos. 0 to 18.......................... dis 60 %
Tinned Broom Wire, Nos. 18 to 25.........dis 60 %
Annealed Fence, Nos. 8&9.......... ....dis 55 %
Annealed Grape, Nos. 10 to 14.........dis 50@10 %
Fence Staples, Galvanized............₩ lb 7@7½ c
Japanned Barb Fence.........................₩ lb 6 c
Galvanized Barbed Fence...... ... .₩ lb 6¾ c
Buck Thorn Galvanized...............................7 c
Picture Wire....... ....dis 40 %
Clothes Line Wire, Galvanized ......$3.00 ₩ doz
Wire Cloth, green, drab and black..₩ sq ft 2¾c net

WRENCHES.

American Adjustable.............................dis 45 %
Baxter's Adjustable "S." list Jan., 1880..dis 20&5 %
Baxter's Diagonal...... ....dis 20&5 %
Coes' Genuine.................... ...dis 50&10 %
Coes' "Mechanics". ....dis 50&10&10 %
Coes' Pattern, Malleable... .... dis 75 %
Coes' Pattern, Wrought........ ......dis 60@10 %
Girard Standard........................dis 50&10 %
Girard Agl.................................dis 60&10 %
Always Ready.............................. $9.00—25 %

WRINGERS. Per doz

Universal, XX, No. 2½...................... .. 36.00
Universal, XX, No 2.............................. 42 00
Universal, XX, No. 1½.......... .... 51.00
Universal, XX, No 1........... .... 66.00
Universal, XX, No. 8... ....each 10.75
Universal, XX, No. 12................each 20.25
Universal, XX, No 18...................each 22 75
Universal, XX, No. 22....................each 30.25
Peerless, no Cogs, No. 1 .... 42.00
Peerless, with Cogs, No 2½....................... 45.00
Peerless, with Cogs, No. 2.................. ..... 48.00

THERMOMETERS.

Tin Case .... dis 7 &10 %
Storm Glasses..........................$3.25 ₩ doz.

TACKS, BRADS &C.

New List, Sept. 1, 1882.

Tinned Swedes Tacks..... ....dis 30 %
Tinned American Tacks.................dis 30 %
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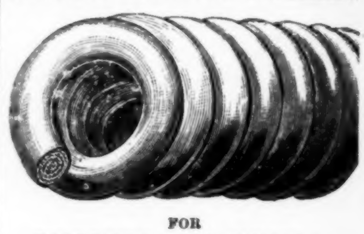
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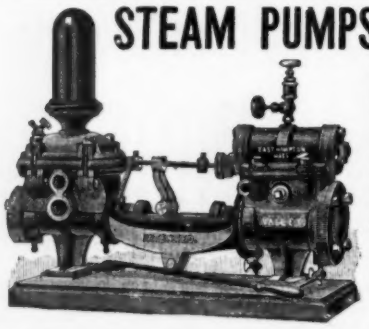

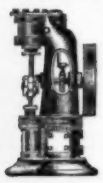

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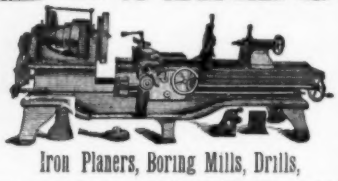

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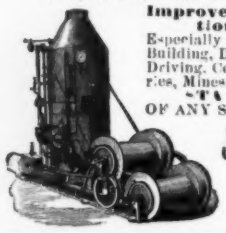

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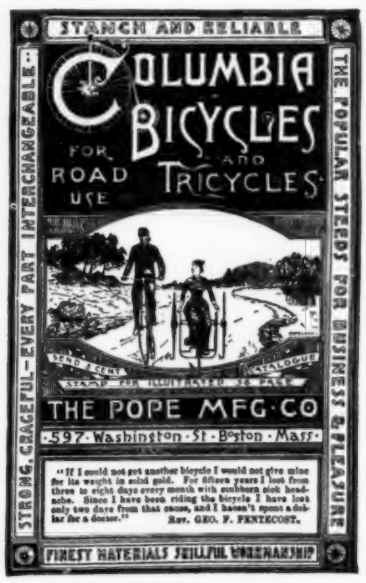

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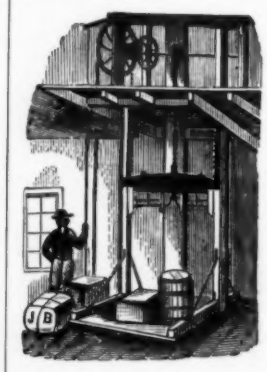

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1 " " 28 in., " " " 46 ft.
1 " " 28 in., " " " 28 ft.
1 " " 30 in., " " " 28 ft.
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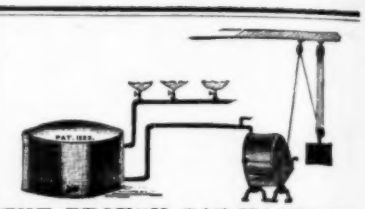

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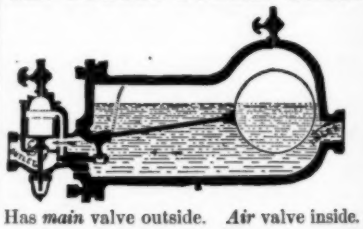

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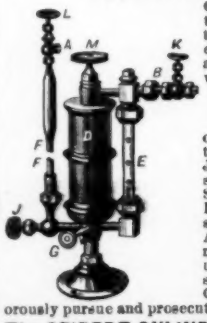

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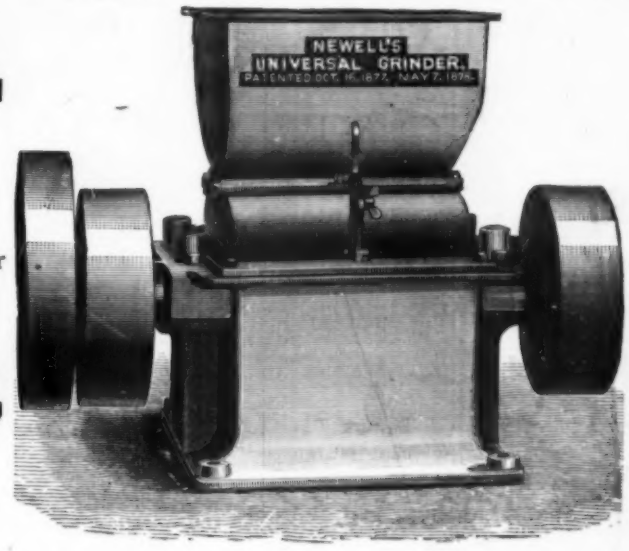

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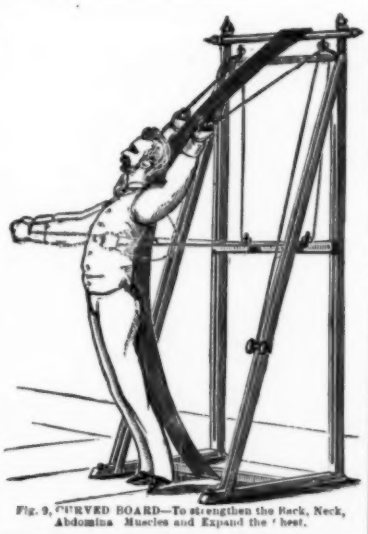

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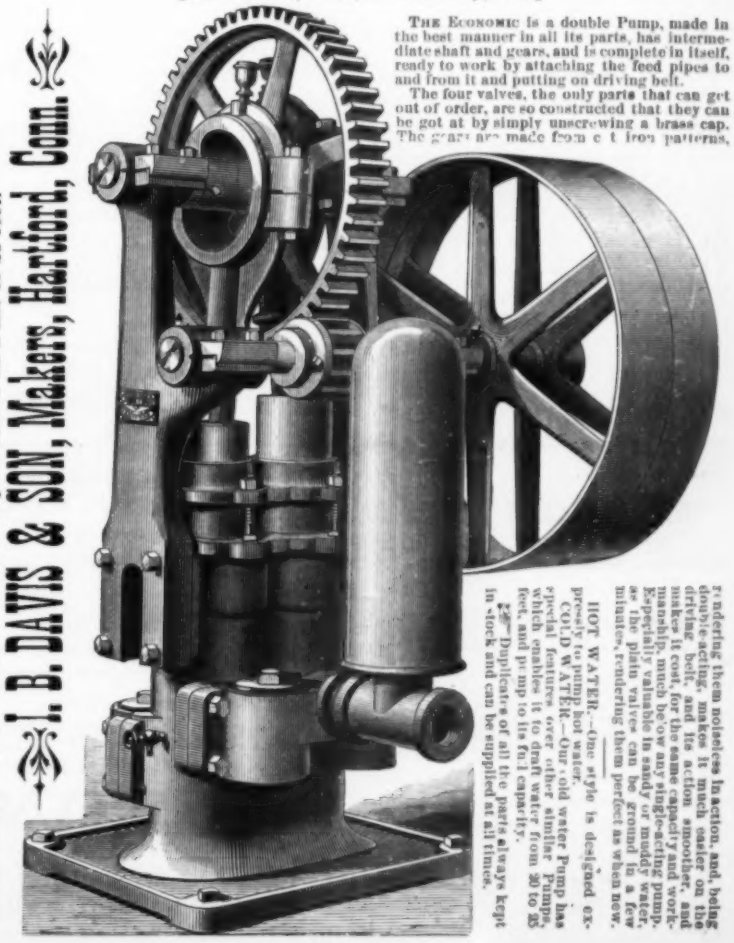

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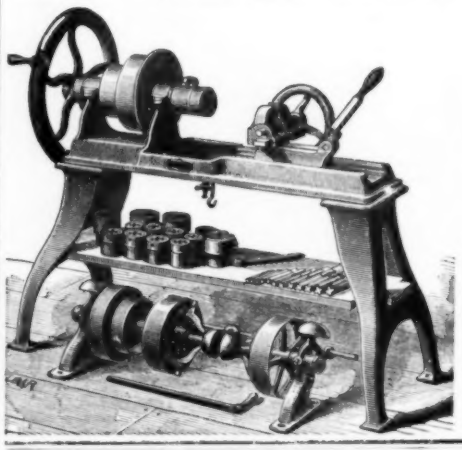

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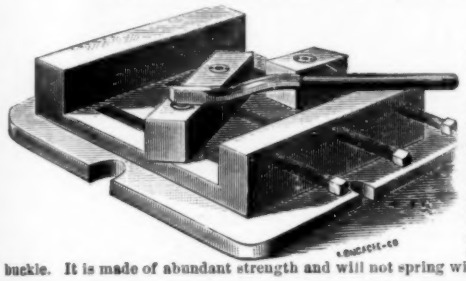

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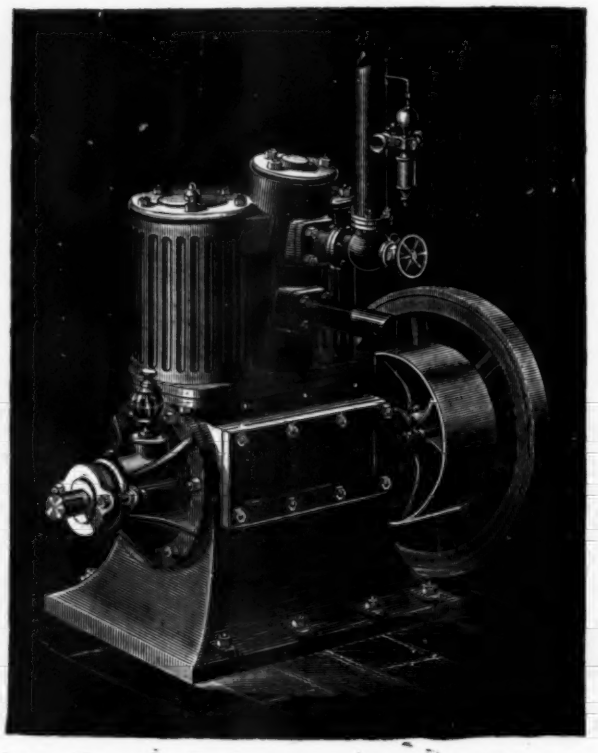

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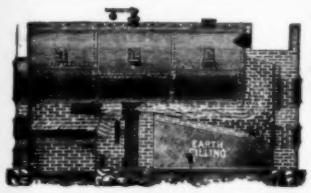

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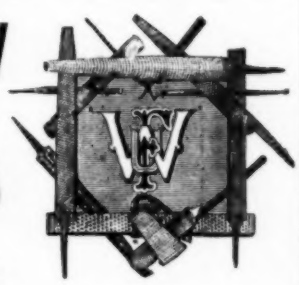

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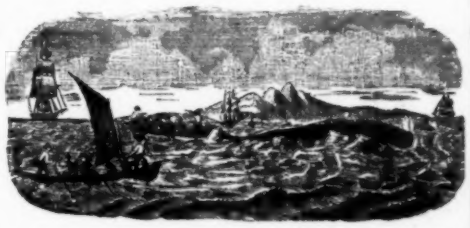

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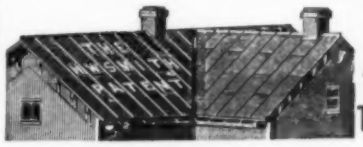

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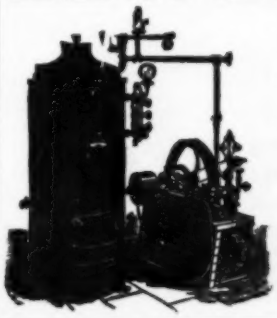

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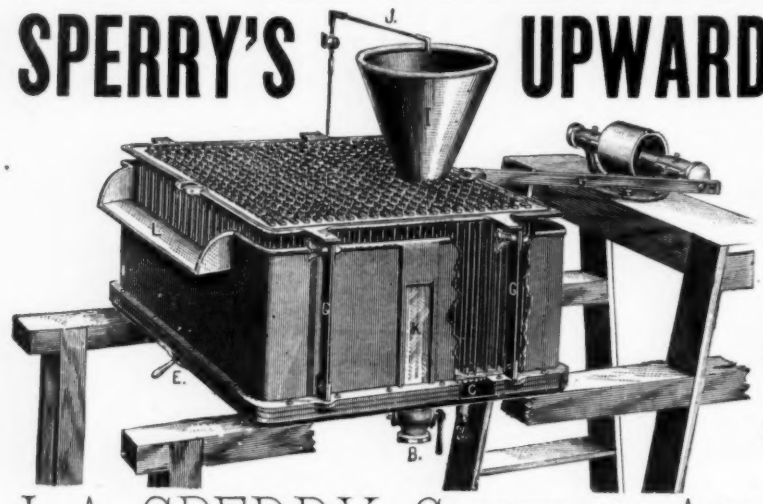

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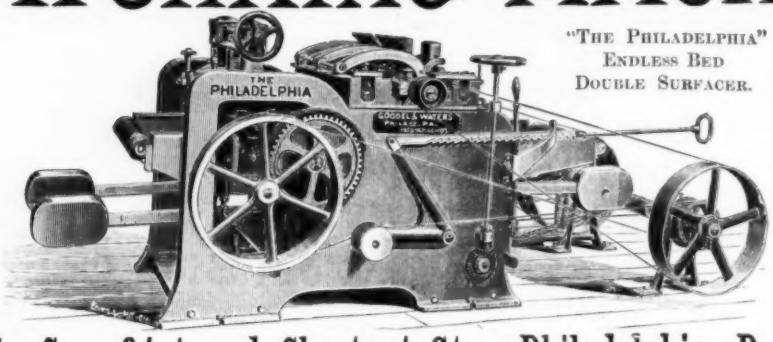

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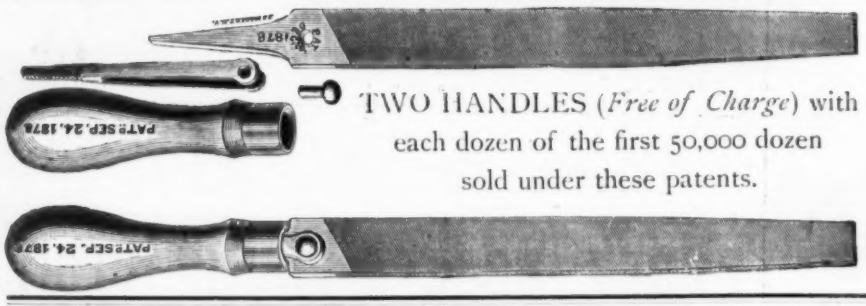

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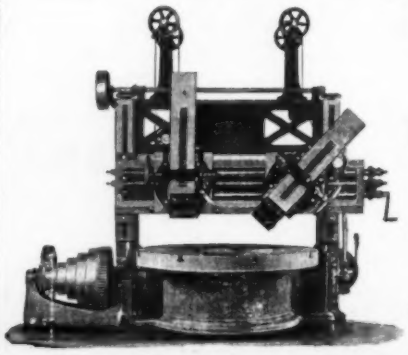

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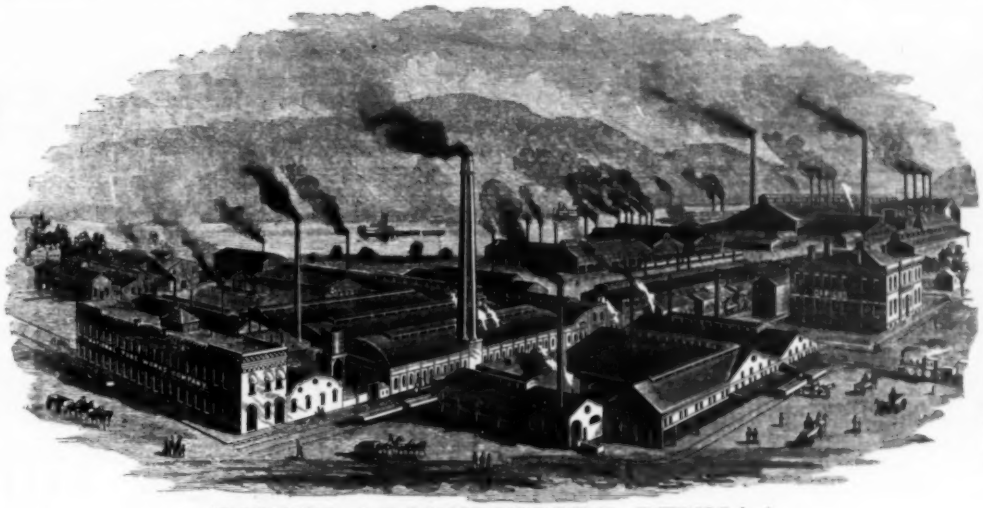

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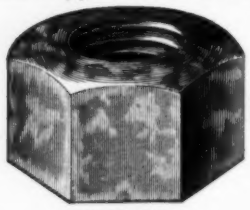
WARRANTED  INTERCHANGEABLE.

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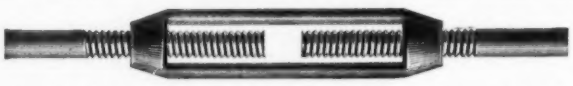

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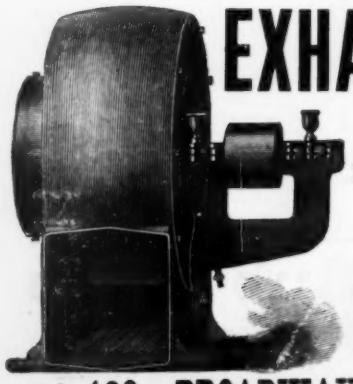

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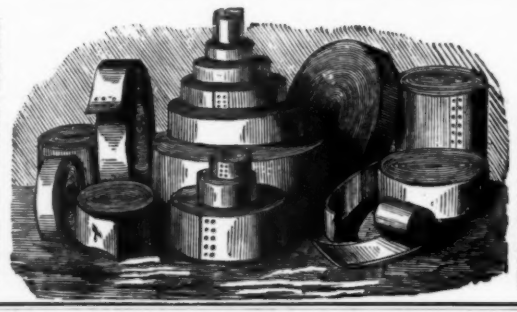

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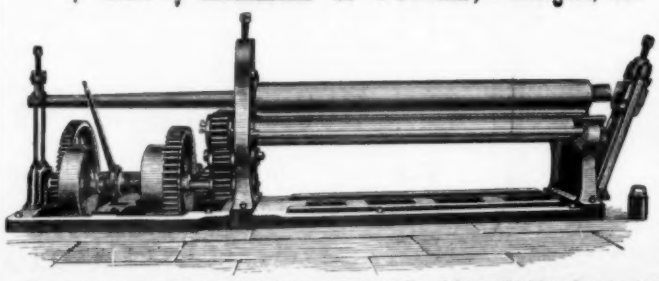

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